MONTHLY PROGRESS REPORT #47
FOR FEBRUARY 2001

EPA REGION I ADMINISTRATIVE ORDERS SDWA 1-97-1019 & 1-2000-0014
MASSACHUSETTS MILITARY RESERVATION
TRAINING RANGE AND IMPACT AREA

The following summary of progress is for the period from February 1 to February 28, 2001. Scheduled actions are for the six-week period ending April 10, 2001.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress for the month of February is summarized in Table 1.

Table 1. Drilling progress for February 2001

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-149	Gravity Range Well (GP-1)	260	153	105.5-115.5 237.5-247.5
MW-151	Inactive Demo Area Well (ID-1)	73	16	55.5-65.5
MW-152	J Range Well (J1P-9)	280	171	154-164 250-260
MW-153	J Range Well	293	198	124-134 144-154 199-209
MW-154	J Range Well (J2P-9)	323	223	98-108 187.5-192.5
MW-155	J Range Well (J3P-3)	249	220	
MW-156	Phase IIb well (ASP-1)	110	30	
MW-157	J Range Well (J3P-8)	110	96	

bgs = below ground surface
bwt = below water table

Completed well installation on MW-149 (GP-1), MW-151 (ID-1), MW-152 (J1P-9), MW-153 (J Range Well), and MW-154 (J2P-9). Completed drilling of MW-155 (J3P-3) and MW-156 (ASP-1). Commenced drilling MW-157 (J3P-8). Continued development of newly installed wells.

Samples collected during the reporting period are summarized in Table 2. Groundwater sampling continued for the first round of FS-12 Response wells and for newly installed wells. Groundwater sampling for the third round of Impact Area Response wells was completed. KD Range well MW-109 was sampled for perchlorate. Groundwater sampling for the second round of Stage 1, J-Range wells commenced and was completed. Groundwater profile samples were collected for MW-149 (GP-1), MW-152 (J1P-9), MW-153, MW-154 (J2P-9), MW-155 (J3P-3), MW-156 (ASP-1), and MW-157 (J3P-8). Wipe samples were collected from a former ammunition storage bunker at J-3 Range. Water samples were collected from the effluent of the granular activated carbon system and from the RRA containment pad. Soil samples were collected from a boring on J-3 Range. A groundwater sample was collected at the water table

through the drill rig augers at this location. Soil samples were also collected at supplemental BIP grids on the J-2 and Gravity Ranges and at the P-19 drill pad. A post-detonation sample was collected at GS8P-1 drill pad.

As part of the HUTA investigation, soil and wipe samples were collected from UXORM and debris in Test Pit 2, Test Pit 4, and Test Pit 6. Pre- and post-detonation soil samples were collected from Test Pit 4 and Test Pit 6 in the HUTA. As part of the Munitions Survey, pre-detonation soil samples were collected from the J-1 Range. As part of the DU study, soil samples were collected from and around the steel plates at the J-1 Range. Scrapings of the steel plates were also collected.

The Guard, EPA, and MADEP had a meeting on February 1 to discuss technical issues, including the following:

Team Changes

Len Pinaud (MADEP) indicated that Jan Drake has accepted a different position within the agency and would no longer be involved with the MMR project. Mr. Panni will be RPM for MADEP.

CS-18 and CS-19 Updates

Dave Del Marco (Jacobs) presented an update of the CS-18 site. George Peterson (Jacobs) presented an update of CS-19 site.

- Dioxin/Furan data analysis, including calculation of TEFs, has been completed for the CS-18 Site Investigation. Data was distributed at the meeting. The site investigation continues approximately 2 weeks ahead of schedule.
- Project initiation activities continue for the CS-19 Supplemental RI. A more detailed schedule will be available next week.
- In response to a question regarding perchlorate analysis of CS-19 wells, Mr. Peterson indicated that Jacobs had not sampled CS-19 wells for perchlorate. The Guard indicated that they had sampled 3 or 4 of the CS-19 wells for perchlorate. Mike Jasinski (EPA) indicated that he would like additional sampling of CS-19 wells for perchlorate.

Water Supply Study Update

No new information was available on the water supply project.

Munitions Survey Update

Larry Hudgins and Joe Dauchy (Tetra Tech) presented the Munitions Survey Update.

- In the HUTA 1 Investigation, the excavation of Lift 1D, Test Pit #2 was completed. Soil sampling and geophysical survey of Lift 2, Test Pit #2 was completed; Lift 2 is currently being excavated. The geophysical survey of Test Pit #4 was completed. Anomalies are being investigated. Craters within Test Pit #6 are being filled to level this area for the geophysical investigation. Screening of soil from Test Pit #2, Lifts 1A,B, C & D is being conducted using a power screen.
- No additional work was conducted at the J-Ranges. A geophysics prove-out area (area to calibrate EM61) was being developed off of Barlow Road north of J-2 Range. Inert munitions are being dug up and moved to the J-2 Range. The new prove-out area is needed because the prove-out area at the Old C Range would not be readily accessible while working on the J-Ranges.
- Data collected by the Air Magnetometer survey is being processed and will be available in early February (tentatively 2/9/01) for distribution. Logistics for mobilization of equipment for

the DU Study are being prepared.

- Mr. Dauchy provided a handout summarizing the sampling program at the HUTA. Biweekly summaries of the sampling are provided to designated parties. The following samples have been collected:

  Screening Area: 10 samples; Staging Area: 30 samples;
  HUTA area before test pit excavation: 50 UXO; 50 UXORM; 50 debris.
  Test Pit #1: 68 soil matrix; 25 UXO; 25 UXORM; 25 debris.
  Test Pit #2: 46 soil matrix.
  Test Pit #3,#4,#5,#6: 32 soil matrix each.
- For each UXO or UXORM/debris item, wipe samples of the item are collected for explosive and metals analysis. Soil on the item is collected and analyzed for explosives. Beneath an UXO item, soil samples are collected and analyzed for explosives and metals. The pH, moisture, resistivity and temperature of the soil are also recorded. For the AEC corrosivity study, soil samples surrounding UXO are collected to access the homogeneity of the soil under an item.
- Mr. Dauchy explained that the explosive screening of soil samples in the field lab was not providing an adequate signature, as such the resulting data were not reliable. Explosive analysis using the 8330 screening method is now being performed by GPL instead. A certain percentage of samples are split with STL for QA/QC purposes.
- A breakout meeting was scheduled after the tech meeting to discuss the munitions data.

<u>Rapid Response Action Update</u>

Marc Grant (AMEC) presented an update of the RRA.

- Water management continues at the containment pad.
- The Breakout after last week's tech meeting resulted in agreement to allow moving of "clean" soil (pending letter to EPA/DEP regarding location for re-use within the Camp Edwards training area) and retaining "dirty" soil for rewashing in Spring followed by ITE soil treatment demonstrations. Rewashing of "dirty" soil is addressed in the draft Work Plan Addendum.
- The Draft RRA Work Plan Addendum that addresses Mortar Target 9 and the Former H Range Firing Point was transmitted to agencies on 1/30/01.
- The Field Sampling Plan (FSP) is being prepared for delineation soil sampling at Mortar Target 9 and the Former H Range. To be submitted to the agencies on/about 2/12/01.
- RRA Group 2 Work Plan needs comments from the agencies by next week. Shortened review period will be verified with Scott Veenstra.

<u>Groundwater Study</u>

John Rice (AMEC) presented the following information on the groundwater study.

- Installation of monitor wells MW-150 (ID-2) and MW-151 (ID-1) was completed. Drilling of MW-149 (GP-1) has been completed; screen intervals will probably be selected Friday. Next week, drilling of J2P-9, J1P-9 and J3P-3 will commence; locations to be discussed after the tech meeting in a breakout meeting. There have been no restrictions to drilling because of Tetra Tech's work at the HUTA accept that P-31 and J1P-1 can not be completed because they are in the HUTA exclusion zone.
- Groundwater sampling of the FS-12 Response wells and newly installed J-Range wells was continued this week. AMEC will work with Guard and AFCEE to obtain access to some wells due to property ownership issues. Samples are being submitted for explosive analysis with a 5-day TAT from laboratory.
- Completed UXO clearance of well pads for ID-1, ID-2, D2P-1, D2P-2, and J2P-9. No ordnance was observed during this clearance. UXO clearance at J1P-9, GS8P-1, ASP-1,

and P-30 will commence next week.

- Todd Borci (EPA) requested a site walk to inspect Inactive Demo area and Demo Area 2 well locations, scheduled for Feb 7 – Wednesday.
- Soil sampling was not conducted this week because the ground was frozen. Additional supplemental BIP grid samples will continue next week pursuant to an RDX detection in a BIP crater soil sample at the Gravity Range (weather dependent).
- Vegetation removal was conducted for construction of well pads D2P-1 and D2P-2 with 700-foot access road, total vegetation removed was 30,500 square feet and for construction of well pad J2P-9, total vegetation removed was 10,000 square feet. Vegetation removal for construction of well pads J1-9, GS8P-1, and P-30 is planned for next week; total vegetation removal of 30,000 square feet is projected.
- The following data table was distributed: New Detects – Unvalidated Rush Groundwater Data. Table shows that upper three intervals (top 30 feet) along well screen (60 feet total) at 90EW0002 had detections for RDX and HMX in similar concentrations; PDA confirmed. This well is not in use and has never previously been sampled for explosives. There were no explosive detections at 90EW0001 or 90EW0003 for the first few intervals. George Peterson (Jacobs) will provide lithologic log for 90EW0002 well to AMEC so that lithologic zones penetrated by the single 60-foot well screen could be evaluated. Second round samples from wells MW-112M2 and MW-111M3 had detections of RDX (PDA confirmed) which were similar to the first round results.
- Discussion ensued regarding submitting an NOI to Sandwich Cons Com to obtain approval to install two wells (SP-1, SP-2) in the vicinity of Snake Pond as proposed in 90MW0059 (FS-12) Response Plan. It is not likely that AFCEE will allow the Guard to attach their request to AFCEE's emergency NOI so as to avoid any delays in approval. Ben Gregson (IAGWSPO) to initiate notification to Sandwich Cons Com.
- University of Texas is doing the laboratory Fate and Transport testing to support the COC identification and risk management. Todd Borci (EPA) requested that a summary of how the Fate and Transport modeling is being done, including details of the modeling input data and assumptions, be provided for the EPA's contractor to review prior to receiving reports with conclusions that are predicated on the modeling effort. Jay Clausen (AMEC) responded that a monthly progress report summarizing the fate and transport laboratory results is already provided to the agencies by UT. Evaluation of the modeling itself would be difficult to do without actually presenting all the completed information. It was agreed that modeling data presented in the Gun and Mortar Report and Demo 1 Report, scheduled to be submitted mid month, will serve as examples on how the modeling is to be conducted.
- Status of access to Camp Good News for proposed well installation will be updated next week.

Schedule/Document Status Update

Marc Grant (AMEC) provided the update on schedule and document status. A Gantt Chart for 3-month Lookahead Schedule for MMR Impact Area Groundwater Study and Document Status table were provided.

- Schedule included 3wk extension for submittal of Demo 1 Establish Soil COCs (00141) and Gun/Mortar Establish COCs (00542) that are impacted by approval of the Soil Background Concentrations. The extension was recently requested but no response has been received by the agencies. A breakout meeting on Soil Background Concentrations was scheduled after the tech meeting.
- Schedule did not reflect request that a single UXO screening report be submitted for all operable units. This will impact submittal dates of the UXO FS Deliverables (24110, 24210). No response has been received from agencies.

- Primary distribution list for documents was established such that MADEP receives 2 copies, EPA - 5 copies, Guard - 3 copies, Corps - 2 copies to be received on deliverable date.
- Discussion ensued as to whether it was necessary to send deliverables to IART members that have ceased to attend meetings. Action item was set to review charter for guidelines.
- Mr. Grant (AMEC) prioritized documents needing comments, the most sensitive being TM 01-1 Soil Background Proposal and TM 01-3 Demo GW Report. TM 01-4 Soil Distribution Report is a lower priority. The Deep Soil Background Report is not listed yet, but it is not critical for establishing the COCs.
- It was indicated that the Dioxin/Furan Background Proposal is not listed yet but may become critical if background concentrations are not to be established at non-detect. Todd Borci (EPA) suggested that the Guard may want to do a background proposal for dioxin/furans for Demo 1 only initially, since will be difficult to do a base-wide background document and have it rapidly approved. In addition, rather then presenting the information as a Tech-Memo, the Guard may want to submit a letter report, so that the information can be evaluated more quickly.
- It was indicated that the 2001 Interim LTGM Plan had been added to the document list. An abbreviated agency review and response to comment period was reflected in the schedule, so that the sampling could begin by the end of April. Todd Borci (EPA) suggested that a scoping meeting for the LTGWM be scheduled prior to the draft submittal so that the approval process could be streamlined. The scoping meeting was tentatively scheduled for 2/22/01.

Northwest Portion of MMR

Tom Cambareri (Cape Cod Commission) provided a list of well locations that he felt were necessary for monitoring the NW portion of MMR. Todd Borci (EPA) suggested that Mr. Cambareri's request would be best addressed with other comments to the Central Impact Area GW Report. Mr. Borci to notify Mr. Cambareri.

Miscellaneous

- It was noted that the Inset B Well Map included in the Weekly Progress Reports includes wells that no longer exist. AMEC to confirm with AFCEE which locations no longer exist and remove them from map.
- Todd Borci (EPA) commented on TM01-4 that the soil distribution map of metal concentrations below 2 feet in soil was misleading because there are few soil samples below 2 feet outside the Impact Area. Therefore, the distribution map shows no detections outside the Impact Area - not because the concentrations of metals are below detection (which might be inferred by the way the data is presented), but because there is no data. In addition, he commented that metal concentrations in soil should be contoured at the proposed background concentration.
- Todd Borci (EPA) discussed the data gap in the Demo Area 1 groundwater plume downgradient of MW-114. Mr. Borci felt that a stop-gap well was needed immediately to define the toe of the plume, so that the Demo Area 1 work could proceed on schedule. Joe Knott (NGB-ARE) agreed to propose installation of a monitoring well in this area at the next tech meeting.
- Jane Dolan (EPA) inquired about the availability of the explosives results using the 8321 analysis method. Marc Grant (AMEC) indicated that the results had not been reviewed by the Guard and that the PDA confirmation for the comparative analysis with method 8330 was not yet available. In addition, no results were available for non-target compounds. Joe Knott (NGB-ARE) agreed to provide this information before the next tech meeting.
- Jane Dolan (EPA) inquired about the status of the Tritium data and requested a table

showing the distribution of the Tritium samples among STL WA; USGS, and the University of Miami Labs. Marc Grant (AMEC) indicated that the best recourse for analyzing tritium was still being decided among these labs. A report was being prepared on the reliability of the data generated by the STL WA lab based on the evaluation of samples collected from P-31 (MW-141) and J1P-8 (MW-28). This report could be provided to the agencies by Monday.

- Jane Dolan (EPA) had the following additional inquiries:
    1) requested that locations be identified for perchlorate sampling. Marc Grant (AMEC) to respond.
    2) Inquired about reason for contamination in Tetra Tech field blank sample. Marc Grant (AMEC) indicated that Shelly Lam (Tetra Tech) was checking.
    3) Inquired about the soil washing soil sample pesticide results that had a P-flag. Did the data reflect a pesticide detection or interference? Marc Grant (AMEC) to respond.
    4) Inquired as to Picattiny Arsenal response to information request associated with the ASR. No response has been received; Bill Myer (IAGWASPO) to call Picattiny Arsenal.

J1/3/L Range Well Locations

The following is a summary of the J1/3/L Range well location discussion held after the tech meeting.

- Proceed with J2P-9 and evaluate proposed location of J2P-10 after J2P-9 profile results are available.
- Install J3P-8 as shown in J1/J3/L Workplan after completion of access agreement.
- Move J3P-3 to a new location on north side of Greenway Road, opposite treatment facility, only if a review of well details and sampling data for 96P0002 and 90DP0230 affirms need in this area. Location is selected to evaluate western boundary of contaminants detected in 90MW0054, 90MW0102, etc.
- Install a well midway between MW-147 (LP-3) and MW-45, adjacent to Greenway Road. This well will be downgradient of the L Range, and will help bound eastern margin of RDX (and other explosives) detected in MW-147. This well constitutes a new well location, not previously designated or scoped.
- Leave J3P-10 where it is currently proposed; however, postpone and re-evaluate need/location until after receipt of data from J-3 Range Workshop area.
- Install J1P-9 at location proposed in Workplan.
- Hold off on installation of J1P-5, -6, and -7 until geophysics (air magnetometry) results are reviewed.
- Proposed "wilderness" wells southwest of J-3 Range: perform site walkover and review historic aerial photos and air magnetometry results to support evaluation of accessibility and final location selection.

The Guard, EPA, and MADEP had a meeting on February 8 to discuss technical issues, including the following:

CS-18 and CS-19 Updates

Bill Downs (Jacobs) presented an update of the CS-18 site. George Peterson (Jacobs) presented an update of CS-19 site.

- Phase I of the CS-18 SI is finishing up and Phase II is starting in mid March. The Phase II investigation consists of subsurface soil sampling, well installation, and groundwater sampling of the new wells. Handouts were provided on the proposed investigation. Sample

validation and TIC analysis was complete for the surface soil sampling. For the TICs, peaks have been identified that are common with Halowaxes but there is no definitive evidence of their presence. Therefore, there is no reason to believe that they exist at the site and if they do, they are likely present in very low concentrations. Subsurface sample locations were proposed near three 2,4 - DNT hotspots in the surface soil. Map was provided showing surface sample locations and contoured concentrations of 2,4-DNT. 2,4 - DNT was the constituent most consistently detected in surface soil samples at the site. The subsurface sampling will consist of three borings advanced to 10 feet and sampled at 2-foot intervals. A second map was provided showing the proposed monitor well locations (MW-5 and MW-6) relative to the proposed subsurface soil sampling locations. These monitoring wells are approximately 100 ft downgradient of the subsurface soil sampling locations. A third map was provided of contoured groundwater elevations obtained from the recently completed synoptic water level survey. The contours reflect a southwest gradient that corresponds (within acceptable error) to gradients projected by the 1997 and 1999 particle track modeling. Figures were included in the handout showing particle track modeling runs.

- Project initiation activities continue for the CS-19 Supplemental RI. The FS is on hold until the supplemental data is assessed.
- Discussion with AFCEE has been initiated regarding the addition of perchlorate analysis in groundwater for the CS-19 SRI.
- Dave Hill (IAGWSPO) indicated that he could provide the lithologic log for extraction well 90EW0002.
- George Peterson (Jacobs) indicated that Sandwich ConsCom had contacted Jacobs regarding recent activity by AMEC at Snake Pond and Camp Good News. In accordance with the Addendum for the Order of Conditions, vehicles should not be driven up to the wells in the buffer area of Snake Pond. These locations need to be accessed by foot. Ben Gregson (IAGWSPO) to speak with ConsCom about their concerns and what conditions need to be followed for future efforts. Rose Forbes (AFCEE) provided a follow-up email on this issue on 2/15/01. Ms. Forbes indicated that Sandwich ConsCom had <u>not</u> contacted Jacobs or AFCEE regarding activity at Snake Pond. Ms. Forbes clarified that the area along Snake Pond shoreline is considered a rare species habitat and requires special attention to minimize ecological impacts. To protect this rare species habitat it was recommended that vehicles not be driven into this area and then only if proper mitigation efforts (thick sheets of plywood) are used. These requirements were stipulated by ConsCom in an emergency certification for AFCEE to install monitoring wells in this area.

<u>Water Supply Study Update</u>

Hap Gonser (JPO) provided information on the water supply project.

- The water main is currently being laid along Greenway Road between Gibbs Road and the airfield. The rate that they are proceeding has yet to be determined. A rate can be established in the coming weeks so that they will be able to predict when activities (such as work at the J-Ranges) will be impacted.
- Zone II's have not been approved yet.

<u>Munitions Survey Update</u>

Larry Hudgins (Tetra Tech) presented the Munitions Survey Update.

- In the HUTA 1 Investigation, the excavation and soil sampling of Test Pit #2 was completed. The Test Pit #2 Survey Report is being prepared. The surface geophysical survey of Test Pit #4 is complete and hand excavation of anomalies is ongoing. Ordnance sampling (surrounding soil and wipes) is being conducted on the surface of Test Pit #6. Three 155mm HE rounds from the surface of Test Pit #6 are scheduled to be BIPed on Friday.

- No additional work was conducted at the J-Ranges.
- Data collected by the Air Magnetometer survey is being processed and will be available in early February (tentatively 2/12/01) for distribution.
- Logistics for mobilization of equipment for the DU Study are being prepared. The crane is scheduled for 2/20. The rad survey is scheduled to begin 2/26.

Rapid Response Action Update

Scott Veenstra (AMEC) presented an update of the RRA.

- Water management continues at the containment pad pending removal of clean soil stockpiles and relocation of retained soil stockpiles (awaiting rewashing).
- Recommendations letter for clean soil reuse was under client review. EPA recommended mentioning specific areas of use in letter (such as potholes along Turpentine Road). Following approval, stockpiles can be removed when weather conditions allow. Retained soil stockpiles will be moved to the receiving portion of the containment pad after removal of clean soil.
- Agency comment on the Draft RRA Work Plan Addendum was received; Guard to respond to comments by 2/15/01.
- The Field Sampling Plan (FSP) is to be submitted to the agencies on/about 2/12/01. The agencies indicated in the comments on the work plan that sampling should not proceed without approval of the Work Plan and FSP.

Groundwater Study

Marc Grant (AMEC) presented the following information on the groundwater study.

- Installation of monitor well MW-149 (GP-1) will be completed this week. Drilling of MW-152 (J1P-9) is continuing and drilling of MW-153 (between LP-3 and MW-45) and J2P-9 commenced this week. Screen intervals for MW-152 may be selected Friday. Next week, drilling of ASP-1 and J3P-3 will commence. Marc Grant (AMEC) to double check with AFCEE regarding desire for VOC splits of profile samples to 50 feet bwt at ASP-1 location.
- Groundwater sampling of the 90MW0054 (FS-12) response wells and newly installed J-Range wells is ongoing.
- Completed UXO clearance of well pads for J2P-9, ASP-1 and GS8P-1. UXO clearance of supplemental BIP grids and P-30 will commence next week.
- Soil sampling of Gravity Range supplemental BIP grids and K Range soil grids will be conducted next week depending on weather conditions.
- Vegetation removal was conducted for construction of well pad MW-153 with no access road, total vegetation removed was 10,000 square feet. Vegetation removal for construction of well pads GS8P-1 and P-30 is planned for next week; total vegetation removal of 20,000 square feet is projected.
- The following data table was distributed: New Detects - Unvalidated Rush Groundwater Data. Table shows that remaining four intervals (40 feet) along well screen (60 feet total) at 90EW0002 had detections for RDX and HMX in similar concentrations; PDA confirmed. Third round samples from wells MW-101M1, MW-90S, MW-90M1, MW-91S, MW-93S, and MW-93M1 had detections of explosives (PDA confirmed) which were similar to the first and second round results.

Additional Wells at Demo 1

Marc Grant (AMEC) provided handout on proposal for two additional monitoring wells at Demo 1 Area to define extent of RDX and perchlorate plume.

- Maps included a plan view depiction of the RDX and perchlorate plumes with proposed well locations D1P-3 and D1P-4 along Frank Perkins Road. The proposed wells would probably

consist of three screened intervals based on the particle track modeling. Two cross-section maps through the plume were also provided.

- Noting that the maps were drafts, Todd Borci (EPA) requested that proposed locations be placed on the cross-section maps.
- Discussion ensued on adequate placement of D1P-4 location; whether a non-detect at this location would be sufficient to confirm that the perchlorate plume in particular did not extend further southeast. DEP indicated that the southern edge of plume was not adequately delineated by the proposed locations and suggested that D1P-4 be moved or an additional well be added. Alternate locations proposed for this well (reflective of the surrounding uneven, difficult terrain) included a location further south along Frank Perkins and a location south of the plume along Pocasset-Forestdale Road.
- EPA agreed to evaluate the proposed locations and comment either in next week's tech meeting or by email.
- EPA requested information on how quickly logistics could be handled so that well installation at Demo 1 could proceed. EPA indicated that enforceable deadlines for other parts of the project might be adjusted in order for these proposed Demo 1 wells to be installed on a fast track.

Schedule/Document Status Update

Marc Grant (AMEC) provided the update on schedule and document status. A Gantt Chart for 3-month Lookahead Schedule for MMR Impact Area Groundwater Study and Document Status table were provided.

- Very little changed from last week's schedule. Approval of the soil background remains the most important item. An MOR on the soil background is needed by 2/13 so that schedule for Demo 1 COC and Gun and Mortar COC Identification process can move forward as scheduled.
- No response has been received from agencies regarding the UXO FSP schedule change, but is expected next week.
- It was requested that submittal of RRA FSP Grp II Work Plan be added to the schedule. Marc Grant (AMEC) indicated that this had been added to the Document Status table.
- Comments were received on Tech Memos 99-5, 01-1, 01-2 and the RRA Work Plan Addendum. Still outstanding comments from DEP on some documents. Agency comments were due next week for J-2 Range Additional Delineation Work Plan and Targets Report.
- Tan highlighting on Document Status table reflects documents affected by soil background document approval.
- Copies of Final Tech Memo 99-6 distributed.

Soil Background

Marc Grant (AMEC) led discussion on soil background.

- Regarding dioxin background, the Guard was proposing to develop an MMR-specific background concentration based on data collected from 20-30 off-site locations. While a site-specific background was being developed, the EPA developed background of 7.96 ppt would be utilized to define COCs. Todd Borci (EPA) requested that this proposal be summarized in an email.
- Two main issues were defined regarding soil background: definition of background for the herbicide MCPA and pesticide dieldrin.
- The Guard contends that establishing the background concentration of MCPA as non-detected does not reflect the concentrations detected in off-site locations. The data do indicate other anthropogenic sources contribute to MCPA concentrations on-site.
- Regarding dieldrin, the Guard contends that the data support the calculated background

value for dieldrin of 53 ug/Kg; this concentration is based on data collected and evaluated as for the background levels for other constituents. There seemed to be no technical reason to establish the background at the MCP standard of 30 ug/Kg. EPA suggested that the Guard review data reviewed by AFCEE in setting up a 35 ug/Kg cleanup goal.

- The Guard was reviewing data points used in calculating di-n-butyl phthalate background to see if other propellant-related constituents were detected at these locations. The data used in calculating di-n-butyl phthalate could be adjusted accordingly.
- Telephone discussion was scheduled for 2/13 @ 1300 EST to further discuss issues after EPA reviews comment responses and Guard reviews suggested information.

Scheduling February IART Meeting

- LTC Knott (NGB-ARE) indicated that Guard was committed to provide logistic support of the February 27 IART meeting. Participation by the Guard team was still undecided and would be discussed in meetings between the Guard and EPA next week.
- EPA and DEP expressed concern that without the Guard team there would be no meeting, ie. no technical content. EPA further contended that the lack of Guard participation would be a violation of the Order.
- Draft agenda was distributed by EPA for discussion at next week's tech meeting.

Miscellaneous

- Jane Dolan (EPA) asked for copies of the validation reports for the two sets of Tritium data from STL Richland lab. Marc Grant (AMEC) to provide.
- Jane Dolan (EPA) requested that the Guard recontact Picattiny Arsenal to obtain whatever information they had to date.

Corrections

- Len Pinaud (MADEP) will be the RPM for the DEP replacing Jan Drake. Mark Panni (MADEP) is DEP's Technical Project Manager.

- Following the meeting, there were additional discussions of the next J Range drilling locations, and the J Range response plan.

The Guard, EPA, and MADEP had a meeting on February 15 to discuss technical issues, including the following:

CS-18 and 19

Dave Del Marco (Jacobs) provided update on CS-18; George Peterson (Jacobs) provided update on CS-19.

- Dave Del Marco distributed notes from the Technical Meeting (2/14) between AFCEE and EPA/DEP regarding subsurface soil and groundwater sampling locations for the CS-18 SSI. The soil borings locations were approved as proposed. The locations of the two proposed monitoring wells were revised as reflected in an attached figure. Well MW-6 was moved further south, downgradient of the area between existing wells MW-1 and MW-2 and the highest recent detection of 2,4-DNT in surface soil. Well MW-5 was moved to a location downgradient of the area of the highest historical detection of 2,4-DNT in soil.
- George Petersen (Jacobs) indicated that an email from Rose Forbes (AFCEE) has been sent correcting comments from the 2/8 technical meeting regarding activity in the vicinity of Snake Pond. Mr. Petersen indicated that Sandwich ConsCom had not contacted Jacobs or AFCEE regarding activity. Ms. Forbes was also forwarding the Addendum for the Order of Conditions.
- Mr. Petersen indicated that AFCEE has provided hard and electronic copies of logs for

90EW0001, -2, and -3 to Dave Hill (NGB).

- Mr. Peterson indicated that field work for the CS-19 investigation was scheduled for mid to late March. Recalibration of the groundwater model has been initiated. A synoptic water level event was scheduled for Friday 2/16 for 84 wells within the Impact Area. A figure depicting the well locations and a summary table of the monitoring well ID's was provided.
- Todd Borci (EPA) suggested that Jacobs might want to include MW-127, a new Guard well on the J-1 Range which was thought to be close to the top of the groundwater mound, in the synoptic water level round. Dave Del Marco (Jacobs) to consider.

Water Supply Update

No new information was presented.

Munitions Survey Update

Larry Hudgins (Tetra Tech) provided an update on the Munitions Survey.

- For the HUTA 1 Investigation, excavation of Test Pit #4, Lift 1A is scheduled to commence 2/15. In Test Pit #6, one 81mm mortar was BIPed; the pit is ready for second EM-61 survey and subsequent excavation after QC check.
- For the Geophysical Survey, additional surveying of the "Prove-Out" was being conducted today to eliminate "noise". Survey of the J-2 Range may commence today and the J-1 Range survey may commence shortly thereafter.
- For the AirMag Survey, data is being processed. Deliverable for the J-Ranges is expected to be submitted 2/20. Deliverables for Areas 1 and 2 to follow.
- For the DU Survey, the J-1 Range area was being prepared for the survey. Road maintenance is complete, metal plates have been stenciled with ID#s, cut down telephone poles, etc. Six UXO were located and BIPed on the northern end of J-1 Range. The metal plates are scheduled to be moved 2/20. Radiation survey to commence 2/26.

February IART Agenda

Todd Borci (EPA) led discussion on IART agenda.

- Three main topics for the IART agenda were discussed: (1) Demo 1 Screening of Alternatives - screening alternatives to be presented, input to be solicited from citizens on alternatives. (2) Central Impact Area GW Response Plan Report - summarize report, include NW area of the base, present map showing proposed well locations, solicit citizen input on proposed well locations. (3) Small Arms Ranges - discuss results and appropriate next step, discuss how any additional work can fit under Phase II investigations of GA/GB, and Old B, C, D Ranges, solicit citizen feedback on next step.
- Update on Archive Search Report Interviews will be postponed until March IART so that interview summaries due on March 1 to EPA/DEP can be included in presentation.
- Len Pinaud (MADEP) expressed concern that the briefing on Central Impact Area Response Plan Report would be presented the day before the report was sent out and that the citizens would not be adequately informed to provide feedback. Mr. Pinaud suggested that a clear timeline needed to be presented so that the citizens understood that the report would not be revisited for the March IART. Todd Borci (EPA) agreed that a clear timeline would be established. Preliminary comments would be solicited at the meeting and a date would be established for providing additional comments once the citizens had time to review the Response Plan Report.
- Joe Knott (NGB) to provide time breakdown for Dee DeBaggis (CH2MHILL) on three topics in stated order.
- Resolution/update on Action Items was discussed in order listed in handout.

    1) Approval of Nov. 28 Minutes - Removed from list of action items, added to agenda

with approval of Jan 25 Minutes.
2) Requirements of EPCRA relating to storage of explosives - uncertain of status of this action item. EPA to check with William Walsh-Rogalski (EPA) regarding this matter.
3) Breakdown Products of Perchlorate - Marc Grant (AMEC) to draft short paragraph to be reviewed by agencies prior to inclusion in action list. Also will be discussed with Demo 1 Screening of Alternatives presentation.
4) Perchlorate addition as COC - Joe Knott (NGB) said that yes perchlorate will be added as a COC.
5) Modeling information to be included with monthly reports to TOSC members - information is being provided. Action items to reflect.
6) Additional Demo 1 Wells - To be discussed in Demo 1 presentation.
7) Addition of Items to IART: ASR interviews - to be discussed at March IART so that interview summaries can be included. Northwest Corner Summary of Investigations - to be discussed with Central Impact Area discussion. JPO to provide map and fact sheet of IRP plumes and IAGWSP areas of contamination - JPO to provide map. Fact sheet can be added as an action item for team not JPO, is in process of being updated.

- Munitions Update by Tetra Tech should be provided in one page handout.

RRA Update

RRA Update was provided in handout, not reviewed at meeting. Water management on the containment pad continues. Response to comments on Draft RRA Work Plan Addendum are anticipated to be submitted to the agencies on 2/15/01.

Groundwater Study

John Rice (AMEC) presented an update on the Groundwater Study.

- Completed well installation on MW-153 (between LP-3 and MW-45); completed drilling of MW-154 (J2P-9), to select screen intervals today or Friday; commenced drilling of MW-155 (J3P-3). Will commence drilling of ASP-1 and J2P-10 next week. Location of J2P-10 is not finalized yet.
- Completed groundwater sampling up to MW-145 of J Range wells this week. Began the second round of sampling for the Stage 1, J Range wells and will continue next week.
- UXO clearance was completed on J2P-9 and GS8P-1 well pads. 37mm will be BIPed at the GS-8 area today. UXO clearance of ASP-1 and supplemental BIP grids will commence next week.
- Soil sampling was not conducted this week due to weather constraints. Depending on weather, supplemental BIP grids sampling may be conducted next week.
- Vegetation removal for GS8P-1 well pad with 300 ft of access road totaled 14,500 sq ft. No vegetation removal is scheduled next week.
- New Detects - Unvalidated Rush Data Table was distributed. Table showed explosive detections for wipe samples of former ASM quonsett hut at J-3 Range and groundwater samples from Central Impact Area Response wells, FS-12 Response wells, and new well MW-142. Detections in the majority of these wells have been observed in previous sampling rounds. First detections of RDX were observed in MW-108M3, MW-95S, and MW-95M2 which had been previously sampled. RDX was detected in 90MP005B and C, and 90MW0101 which had not been previously sampled. RDX was detected in the first round sample from MW-142 (similar to profile results); this well is the furthest south detection of RDX along Greenway Road.

Perchlorate Press Release

- Press Release has been prepared. Distributed at meeting.

- Todd Borci (EPA) indicated that a press release should be prepared for detections of RDX above health advisory level in profile samples from MW-153, located on Greenway Road across from L Range.

Schedule/Document Status Update

Marc Grant (AMEC) provided Document Status Table and 3-Month Lookahead Schedule.

- RRA Documents including: Delineation Report, Treatability Study Report, Soil Removal Report, and Completion of Work Report have been added to the Document Status table.
- EPA comments on several tech memos and work plans have been received. Working on response to comments to Demo 1 Tech Memo 01-2, RRA Work Plan Addendum (went out today), Targets Report Tech Memo 01-3, and J-2 Range Additional Delineation Work Plan. Need DEP comments on some items.
- Agencies comments are needed on Tech Memo 01-5 Demo 1 GW FS Screening Report (highest priority), Soil Distribution Report (low priority), and June BIP Report (low priority).
- MOR on Soil Background Report was handed out, looking for MOR approval. Todd Borci (EPA) indicated that he already had comments on MOR particularly for di-n-butyl phthalate. He indicated that the background concentration probably couldn't be recalculated since he felt that almost all of the detections of this compound would be associated with other site-related compounds. Mr. Borci also indicated that he would not necessarily agree with the 7.96 ppt national background concentration as a default background for dioxin/furan. At the same time he was concerned about the cost of a site-specific dioxin/furan background study. Proposals for establishing background for new analytes, dieldrin, and dioxin/furan were expected from the Guard.
- Len Pinaud (MADEP) inquired if Don Muldoon's (MADEP) emailed comments on the Comparison of Explosive Methods (AMEC letter 2/07/01) had been received. Marc Grant (AMEC) confirmed that it had been received and that they were waiting on comments from EPA (low priority). Decision was that Guard would stick with method 8330 for routine explosive analysis and use method 8321 for 10-20% of samples for comparison.
- Reviewed 3-month Lookahead Schedule. Currently working on soil COCs for Demo 1 and Gun and Mortar Positions. Looking for approval of February 8 request to extend schedule for Demo 1. A similar timeline change will probably be requested for the Gun and Mortar reports, except if lack of MCPA background concentration becomes an issue (that is if MCPA detections drive risk calculations). In this case, the timeline may need to be extended further.
- RRA Group II will be added to next week's schedule.

Demo 1 Additional Wells

- Todd Borci (EPA) had suggestions for two well locations that were sketched on a Demo 1 plume map. The first well location was 600 feet south of MW-33 along Frank Perkins Road. The second well location had two alternatives: one location 800 feet south of MW-33 on the tank trail east and parallel to Frank Perkins Road and a second alternative location immediately southeast of MW-129 on Pocasset-Forestdale Road.
- Guard to review EPA suggestions. John Rice (AMEC) to do field check on tank trail location.

Miscellaneous

- Jane Dolan (EPA) requested information on use of method 8321 to detect non-explosive target compounds (dyes in particular). Marc Grant (AMEC) to respond with date on when information can be forwarded.

The Guard, EPA, and MADEP had a meeting on February 22 to discuss technical issues, including the following:

Miscellaneous Punch List Discussions

- Demo 1 – As part of the punchlist review, a map depicting revised proposed well locations was distributed for Demo 1 by Marc Grant (AMEC). Mark Applebee (AMEC) described the proposed well locations and the rationale used to select them. D1P-3 was placed on the tank trail parallel to Frank Perkins road downgradient of the central most concentrated point of the known extent of RDX in groundwater. D1P-4 was also located on the tank trail, 200 feet south of the D1P-3 location. Todd Borci (EPA) felt that the D1P-4 location would not adequately define the southern plume boundary. Mr. Borci's intention was that this well would be placed east of the tank trail further east into the depression; however, he acknowledged that this was probably not feasible because of the limited accessibility of this location and of the need to remove a large portion of vegetation. Further discussion ensued among members of the Tech team and a final agreement was reached to place D1P-4 on Pocasset-Forestdale Road, 100 feet southeast of the projected southern extent of the plume. AMEC to try to minimize the size of the well pad within the constraints of the fire code and traffic issues.
- Dye Analyses – Intent of investigating 8321 analyses for non-target analytes was clarified by Jane Dolan (EPA). Ms. Dolan stated that EPA's primary interest in this discussion was that groundwater in the source area at Demo 1 be analyzed for dyes. Marc Grant (AMEC) indicated that this could be done based on the Method Detection Limit (MDL) study for dyes (Oct 4, 2000 letter; Analyses for explosives and dyes by method 8321). EPA will send a letter clarifying this request.

CS-18 and 19

George Peterson (Jacobs) provided an update on CS-18 and CS-19.

- Preparation activities continue for implementing the CS-18 Supplemental SI field work on March 12, 2001.
- Preparation activities continue for implementing the CS-19 Supplemental RI field work on April 16, 2001.
- Synoptic water level round within the Impact Area was completed Friday 2/16/01; MW-127 was incorporated into the survey.

Water Supply Update

No new information was presented.

Munitions Survey Update

Larry Hudgins (Tetra Tech) provided an update on the Munitions Survey.

- For the HUTA 1 Investigation, screening of Test Pit #4, Lift 1A is complete and hand excavation of Lift 1B anomalies was complete. In Test Pit #4, one BIP is scheduled for 2/23. TP#4 Lift 1B final geophysics and QA/QC to be completed 2/23; excavation of Lift 1B expected 2/26. Hand excavation of Test Pit #6 Lift 1A anomalies is ongoing. Clearing of road around Test Pit #3 is ongoing.
- For the DU Survey the steel plates were removed from J-1 Range and transported to the staging area. The radiological survey and sampling will commence next week.

Doug Lam (Tetra Tech) presented the preliminary AIRMAG data and an update on the Geophysical Survey.

- AIRMAG data has been received for the J-Range areas, L Range and the O and P Ranges.

The data lines were flown N/S over J-1 and J-3 Ranges in order to get the best coverage without encroaching on areas outside the base. This approach required the helicopter to fly at greater heights because of trees than for the J-2 Range Survey where the data lines were oriented along the axis of the range. As a result, the response of the instrument in coverage of the J-1 and J-3 ranges was approximately 1/3 of the response for the J-2 range. This lessened response lowers the probability of detecting single items. Data on the varying flying heights should be received from the contractor within the week so that the relative signal strength to flight elevation can be determined. Based on comparison to known objects in the field, it can then be assessed what the signal means in terms of the size of items.

- Doug Lam (Tetra Tech) presented an overview of the AIRMAG data on the three ranges. Contoured AIRMAG data maps for the three ranges were projected on the screen. Mr. Lam highlighted many of the higher amplitude anomalies observed on the maps and related them to known surface features on the ranges. Several higher amplitude and lower amplitude anomalies were pointed out that may represent features that have yet to be identified and are possibly subsurface features. These included several small, scattered anomalies in the vicinity of O, P, and K Ranges.
- Tetra Tech will set a target date next week for providing an interpretation of the AIRMAG data for Area 3, the J-Ranges. Area 1 AIRMAG data may be available for overview presentation at the next tech meeting.
- Data collected in the Prove-Out area were shown both for the EM61 mounted on a handcart and the EM61s incorporated into the KIMS system, to demonstrate the effectiveness of these methods for detecting buried objects. Both the handcart and KIMS system exceeded the 80% detection criteria established for approving the technologies. Will target next week to provide a Tech memo on the Prove-Out area data.
- In response to a question from Jane Dolan (EPA), Mr. Lam indicated that remaining surface metal at the J-2 Range included target plates, mortars at Disposal Area 1, and cultural features. All features are noted by UXO specialists which accompany the geophysicists completing the survey.
- KIMS system survey of the J-2 Range will be completed today. Survey of the southern portion of the J-2 Range using the hand cart will be completed by next Wednesday. KIMS system of the J-1 Range will begin today.

RRA Update

Scott Veenstra (AMEC) provided an overview on the RRA.

- Clean soils were moved 2/14 from the containment pad for use on Turpentine Road.
- Response to comments on Draft RRA Work Plan Addendum were submitted to the agencies. Jane Dolan (EPA) provided a verbal OK on the RCL. Len Pinaud (MADEP) indicated that MADEP had no significant comments. However, since the RAM modification is being completed under the MCP, the Work Plan and Field Sampling Plan need to be combined into one document. A letter will be sent out with these comments within the week.
- Draft FSP was sent out electronically on 2/12 and paper copies went out 2/21. Jane Dolan (EPA) expected to send out comments by close of business and indicated that there would be no major comments.

Groundwater Study

John Rice (AMEC) presented an update on the Groundwater Study.

- Installation of MW-153 (between LP-3 and MW-45) and MW-154 (J2P-9) were completed. Commenced drilling on MW-155 (J3P-3; revised location across from Treatment Plant entrance) and MW-156 (ASP-1). Next week will install wells at MW-155 and MW-156 and

commence drilling of J3P-8 (Camp Goodnews).

- Groundwater sampling of second round for Stage 1, J-Range wells will be completed this week. Will continue sampling of newly installed wells next week.
- Continued UXO clearance of GS8P-1 well pad; lot of debris and heavier vegetation than expected is causing extra time to be spent clearing this pad. Completed ASP-1 pad this week. Next week UXO clearance of the J2P-10 pad will be completed.
- Soil samples are not being collected because the top inches of soil are frozen. Soil sampling of the supplemental BIP grids at the Gravity Range are being attempted today. Soil sampling at stage 2 supplemental BIP grids,and K Range grids next week are weather dependent.
- No vegetation removal was conducted this week. A biologist is on-site for reconnaissance of proposed well locations and RRA areas. Next week vegetation removal for drill pad for J2P-10 will be 10,000 sq. ft.
- Jane Dolan (EPA) inquired as to whether the J1P-1 well required the geophysical data to finalize the well location. Herb Colby (AMEC) indicated that the well was scoped to assess impacts from the 2000m Berm at J-1 and an unconfirmed EOD burial area. Ms. Dolan wanted to double check on the need for geophysical data to locate this well.
- Discussion ensued on urgency of selecting remaining J-Range well locations, that if these are not selected soon, then the J-Range schedule for deliverables can not be met. Meeting was set for 2:30pm today to discuss preliminary AIRMAG data with Doug Lam (Tetra Tech) with respect to selecting three well locations. Meeting to include Dave Hill (IAGWSPO), Bill Gallagher (AMEC), Jane Dolan (EPA), Todd Borci (EPA), Adam Balogh (TRC-phone), and Herb Colby (AMEC – phone). Follow-up to meeting: J1P-1 will not be installed at this time based on the lack of clear evidence of a disposal area on the airmag map. Monitoring wells J1P-5, J1P-6 and J1P-7 will be installed as “fence” wells, about 500 feet downgradient (northwest) of the J-1 Range, 1000m berm and wastewater disposal area. The fence will be located just northwest of the 150m berm. The fence will be oriented northeast/southwest, perpendicular to the inferred groundwater flow direction. (northwest parallel to the J-1 Range Road). The wells will be spaced approximately 90 feet apart with existing well MW-58 to be considered part of the fence.

Schedule/Document Status Update

Marc Grant (AMEC) provided Document Status Table and 3-Month Lookahead Schedule.

- Documents Having Comments - RCL for Tech-Memo 99-5 was submitted yesterday. RCL for Tech Memo 01-2 will be submitted today. Comment 7 response addresses the 8321 issue.
- USGS and agencies will discuss approaches on the Background GW issues. The resolution meeting is scheduled for next week. Todd Borci (EPA) indicated that the Guard should have their attorney’s review the proposal to discharge treated groundwater with thallium above the MCL (regardless of whether it is a background concentration) since this may require a RCRA waiver. The assumption is that discharged water would be considered a waste.
- Documents Needing Comments- Comments were received on Tech-Memo 01-5. Comments from agencies were expected later today on the RRA Field Sampling Plan.
- Documents to be Submitted - An extension was received on the Demo 1 deliverables so schedule will be changed accordingly. Extension request for Gun & Mortar deliverables may be similar depending on results of COC Report. Extension was received for the UXO FS Screening Report and this schedule will also be changed. Central Impact Area GW Report is next major submittal.
- There were no major changes in the 3-Month Lookahead Schedule from last week.

CY2001 Long Term Monitoring Plan

Russ Johnson (AMEC) presented an overview of the LTM strategy for 2001.

- The intent of the scoping meeting is to predefine Guard and agency objectives/technical issues for the LTM so that the approval process can be streamlined and the LTM field schedule can be met.
- Monitoring wells considered for the LTM program are only those which have three rounds of groundwater data. The LTM is modified throughout the year as ongoing groundwater sampling enables other wells to meet this criteria. As the third round data are received for new wells, these wells are evaluated for potential inclusion in the LTM program.
- The LTM program has three objectives: 1) Define Areas of Explosive Detections – wells in this part of the program are typically comprised of Demo 1 wells, Central Impact Area wells and wells peripheral to these areas outside of the defined plumes. 2) Define Other Areas of Concern – wells in which other constituents have been detected above background/health advisories. 3) Comprehensive Annual Event – wells are selected to evaluate the overall quality of the aquifer at Camp Edwards regardless of detection history in specific areas.
- A data table is being produced to summarize all old and new wells (recently received 3 rounds of data). The table will provide concentrations and well locations. The plan is to review this table in detail with the agencies to discuss rationale for wells to include and constituents to evaluate. A tentative date of 3/15 was suggested for this meeting.
- Todd Borci (EPA) indicated that it was the agencies hope that enough data was now available that more specific target analyte lists could be developed, such as the Guard had suggested last year, but without sufficient data.
- Jay Clausen (AMEC) encouraged the agencies to review the Central Impact Area GW Report with respect to metals in groundwater, specifically as part of scoping the LTM Plan.

Miscellaneous

- Next IART meetings will be the 4th Tuesday of March, April, May. JPO needs to be informed to add to their calendar.

EPA convened a meeting of the Impact Area Review Team on February 27, 2001. Topics discussed during the meeting included the Demo 1 Alternatives Screening Report, Central Impact Area Groundwater Report, and the Small Arms Ranges Investigation. The tentative date for the next meeting is March 26, 2001

2. SUMMARY OF DATA RECEIVED

Validated data were received during December for Sample Delivery Groups (SDGs) 441, 443, 445, 446, 447, 450, 453, 455, 456, 459, 463, 464, 465, 497, 498, 511, 520, 523, 524, 526, 528, 532, 533, and 540. These SDGs contain results for 51 soil grid and/or grab samples from UXO detonation craters; 93 groundwater samples from monitoring wells; 100 groundwater profile samples from wells MW-15A, -28, -128, -129, -130, -136, -140, -141, -142, and 90MW0102; 22 soil boring samples from wells MW-117, -121, -122, -125, -135, and -137; and 252 soil grid and/or grab samples from the J-3 and L Ranges and from the Targets; and one surface water sample from the J-1 Range.

Validated Data

Figures 1 through 6 depict the cumulative results of groundwater analyses for the period from the start of the IAGS (July 1997) to the present. Each figure depicts results for a different analyte class:

- Figure 1 shows the results of explosive analyses by EPA Method 8330
- Figure 2 shows the results of inorganic analyses (collectively referred to as "metals", though some analytes are not true metals) by methods 300.0, 350.2M, 353M, 365.2, CYAN, IM40/MB, and IM40HG
- Figure 3 shows the results of Volatile Organic Compound (VOC) analyses by methods OC21V, 504, and 8021W
- Figure 4 shows the results of Semi-Volatile Organic Compound (SVOC) analyses by method OC21B
- Figure 5 shows the results of Pesticide (method OL21P) and Herbicide (method 8151) analyses
- Figure 6 shows the results of Perchlorate analysis by method E314.0

The concentrations from these analyses are depicted in Figures 1-5 compared to Maximum Contaminant Levels (MCLs) or Health Advisories (HAs) published by EPA for drinking water. The concentrations from Perchlorate analyses are depicted in Figure 6 compared to a safe exposure level (SEL) established by EPA. At present, neither EPA nor the MADEP have established an MCL or HA for perchlorate. A red circle is used to depict a well where the concentration of one or more analytes was greater than or equal to (GTE) the lowest MCL, HA, or SEL for the analyte(s). A yellow circle is used to depict a well where the concentration of all analytes was less than (LT) the lowest MCL, HA, or SEL. A green circle is used to depict a well where the given analytes were not detected. An open circle is used to depict an existing well where the analytes in question (for example, Explosives in Figure 1) have not yet been measured. Table 3 summarizes the detections that exceeded a MCL, HA, or SEL, sorted by analytical method and analyte, since 1997.

There are multiple labels listed for some wells in Figures 1-6, which indicate multiple well screens at different depths throughout the aquifer. The aquifer is approximately 200-300 feet thick in the study area. Well screens are positioned throughout this thickness based on various factors, including the results of groundwater profile samples, the geology, and projected locations of contaminants estimated by groundwater modeling. The screen labels are colored to indicate which of the depths had the chemical detected above MCLs/HAs/SELs. Generally, groundwater entering the top of the aquifer will move deeper into the aquifer as it moves radially outward from the top of the water table mound. Light blue dashed lines in Figures 1-6 depict water table contours. Groundwater generally moves perpendicular to these contours, starting at the center of the 70-foot contour (the top of the mound) and moving radially outward. The rate of vertical groundwater flow deeper into the aquifer slows as groundwater moves away from the mound.

The results presented in Figures 1-6 are cumulative, which provides a historical perspective on the data rather than a depiction of current conditions. Any detection at a well that equals or exceeds the MCL/HA/SEL results in the well having a red symbol, regardless of later detections at lower concentrations, or later non-detects. The difference between historical and current conditions varies according to the type of analytes. There are little or no differences between historical and current exceedances of drinking water criteria for Explosives, VOCs, Pesticides,

and Herbicides; the minor differences are mentioned in the following paragraphs. There are significant differences between historical and current exceedances of drinking water criteria for Metals and SVOCs, as described further below. There is no historical data available for Perchlorate.

Figure 1: Explosives in Groundwater Compared to MCLs/HAs

Exceedances of drinking water criteria for explosive compounds are indicated in three general areas:

- Demo Area 1 (wells 19, 31, 34, 73, 76, and 77);
- the Impact Area and CS-19 (wells 58MW0001, 0002, 0009E, 0011D, 0016B, 0016C, and 0018B; and wells 1, 2, 23, 25, 37, 38, 40, 85, 86, 87, 88, 89, 90, 91, 93, 95, 98, 99, 100, 101, 105, 107, and 113); and
- J-Ranges and southeast of the J Ranges (wells MW-58, MW-132 and wells 90MW0022, 90WT0013).

Exceedances of drinking water criteria were measured for 2,4,6-trinitrotoluene (TNT) at Demo Area 1 (wells 19S, 31S, and 31D), and for hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) at all of the locations listed above. One of the exceedance wells, 90WT0013, has had no detectable RDX in the last five sample rounds (1/99 to 11/00).

Demo Area 1 has a single well-defined source area and extent of contamination. The estimated extent of RDX exceeding the HA at Demo Area 1 based on the most recent groundwater measurements is indicated by a magenta concentration contour line on Figure 1 and the inset.

CS-19 is a site located in the Impact Area. Portions of CS-19 are currently under investigation by the Air Force Center for Environmental Excellence (AFCEE) under the Superfund program. Other portions of CS-19, and the remainder of the Impact Area, are under investigation by the National Guard Bureau. RDX has been measured in groundwater emanating from both CS-19 and the Impact Area. A magenta concentration contour line is used in Figure 1 and the inset to show the extent of RDX exceeding the HA in these areas. This extent is based on samples from monitoring wells and samples collected during the drilling process (“profile” samples). This extent also considers non-validated data, where the results have been confirmed using Photo Diode Array (PDA). Additional information regarding PDA is provided below under the heading “Rush (Non-Validated) Data”. Currently it appears there are multiple sources of RDX in the Impact Area, including CS-19.

Concentration contours will be prepared for other areas, and refined for the above areas, when sufficient data are available. Studies are currently underway to better delineate the extent of contaminants in the Impact Area, which may include several separate sources. Studies are also underway at Demo 1 and the J Ranges and southeast of the J Ranges to evaluate the sources and extent of contaminants.

Figure 2: Metals in Groundwater Compared to MCLs/HAs

Exceedances of drinking water criteria for metals are scattered throughout the study area. Where two or more rounds of sampling data are available, the exceedances generally have not been replicated in consecutive sampling rounds. The exceedances have been measured for antimony, arsenic, cadmium, chromium, lead, molybdenum, sodium, thallium and zinc. None of the 11 antimony exceedances were repeated in consecutive sampling rounds, and only one

exceedance (well 50M1) was measured in year 2000 results. Arsenic (in well 7M1), cadmium (52M3), and chromium (7M1) each had one exceedance in a single sampling round in August-September 1999. The three lead exceedances (wells 2S, 7M1, and ASP) were not repeated in any sampling rounds and none were measured in year 2000 results. Thirteen of the 41 molybdenum exceedances were repeated in consecutive sampling rounds (wells 2S, 2D, 13D, 16D, 46M2, 52D, 52M3, 53M1, 53D, 54M2, 54S, 55D, and 57S). Molybdenum concentrations declined in 12 of these 13 wells. Eight molybdenum exceedances (wells 13D, 16D, 45S, 52D, 53M1, 57S, 57M2, and 81D) were observed in year 2000 results. Four of the 13 sodium exceedances were repeated in consecutive sampling rounds (wells 2S, 57M2, 57M1, and SDW261160); five wells (90WT0010, 21S, 46S, 57M1, and 57M2) had exceedances in the year 2000 results. Seven of the 55 thallium exceedances were repeated in consecutive sampling rounds (wells 7M1, 7M2, 47M2, 52S, 52D, 54S, and 54M1). Eighteen wells (2D, 45S, 46M1, 47M3, 47M2, 48M3, 48D, 49M3, 50M1, 52S, 54S, 56S, 56M3, 57M2, 58S, 64M1, 83S, and 127S) had thallium exceedances in the year 2000 results. Zinc exceeded the HA in seven wells, all of which are constructed of galvanized (zinc-coated) steel.

The distribution and lack of repeatability of the metals exceedances is not consistent with a contaminant source, nor do the detections appear to be correlated with the presence of explosives or other organic compounds. The Guard has re-evaluated inorganic background concentrations using the expanded groundwater quality database of 1999, and has submitted a draft report describing background conditions. This draft report indicates that of the nine metals exceeding drinking water criteria, only molybdenum is potentially associated with the site. The population characteristics of the remaining eight metals were determined to be consistent with background.

Figure 3: VOCs in Groundwater Compared to MCLs/HAs

Exceedances of drinking water criteria for VOCs are indicated in three general areas: CS-10 (wells 03MW0007A, 03MW0014A, and 03MW0020), LF-1 (well 27MW0017B), and FS-12 (wells MW-45S, 90MW0003, and ECMWSNP02D). CS-10, LF-1, and FS-12 are sites located near the southern extent of the Training Ranges that are currently under investigation by AFCEE under the Superfund program. Exceedances of drinking water criteria were measured for tetrachloroethylene (PCE) at CS-10, for vinyl chloride at LF-1, and for toluene, 1,2-dichloroethane, and ethylene dibromide (EDB) at FS-12. These compounds are believed to be associated with the sites under investigation by AFCEE.

Figure 4: SVOCs in Groundwater Compared to MCLs/HAs

Exceedances of drinking water criteria for SVOCs are scattered throughout the study area. All exceedances of drinking water criteria for SVOCs were measured for bis (2-ethylhexyl) phthalate (BEHP), except for two locations in FS-12 (wells 45S and 90MW0003) which had exceedances for naphthalene, and well 41M1 which had an estimated level of 2,6-dinitrotoluene (DNT) that is equal to the HA. BEHP is believed to be largely an artifact of the investigation methods, introduced to the samples during collection or analysis. A detailed discussion of the presence of BEHP is provided in the Draft Completion of Work Report (7/98) and subsequent responses to comments. The theory that BEHP occurs as an artifact, and is not really present in the aquifer, is supported by the results of subsequent sampling rounds that show much lower levels of the chemical after additional precautions were taken to prevent cross-contamination during sample collection and analysis. Only three locations (out of 71) showed BEHP exceedances in consecutive sampling rounds: 28MW0106 (located near SD-5, a site under

investigation by AFCEE), 58MW0006E (located at CS-19), and 90WT0013 (located at FS-12). Subsequent sampling rounds at each of these three locations have had results below the MCL. Three wells (49S, 57M2, and 84D) have had a BEHP exceedance in the year 2000 results.

The 2,6-DNT detected at well 41M1 is interesting in that the explosive analysis of this sample by EPA Method 8330 did not detect this compound. The reporting limit under Method 8330 is much lower than the limit for the SVOC method. Well 41M1 was installed along the groundwater flow path downgradient from well 2M2, which has had RDX detected above the HA in the explosive analysis as indicated above. The 2,6-DNT detection at well 41M1 was in the second sampling round, and samples from this well did not have 2,6-DNT detected by either the SVOC method or the explosive method in the first, third, fourth, or fifth sampling rounds.

Figure 5: Herbicides and Pesticides in Groundwater Compared to MCLs/HAs

There was one exceedance of drinking water criteria for pesticides, at well PPAWSMW-1. A contractor to the United States Air Force installed this monitoring well at the PAVE PAWS radar station in accordance with the Massachusetts Contingency Plan (MCP), in order to evaluate contamination from a fuel spill. The exceedance was for the pesticide dieldrin in a sample collected in June 1999. This well was sampled again in November 1999. The results of the November sample indicate no detectable pesticides although hydrocarbon interference was noted. It appears from the November sample that pesticides identified in the June sample were false positives. However, the June sample results cannot be changed when following the EPA functional guidelines for data validation. The text of the validation report for the June sample has been revised to include an explanation of the hydrocarbon interference and the potential for false positives.

There was one exceedance of drinking water criteria for herbicides, at well 41M1. This response well was installed downgradient of the Central Impact Area, as indicated above (see discussion for Figure 4). The exceedance was for the herbicide pentachlorophenol in a sample collected in May 2000. There were no detections of this compound in the three previous sampling rounds in 1999, nor in the subsequent sampling round in August 2000.

Figure 6: Perchlorate in Groundwater Compared to SELs

Sampling and analysis of groundwater for perchlorate has only recently been initiated as part of the groundwater study program at Camp Edwards. As a result, perchlorate data have only been validated for 28 wells. EPA established a SEL for perchlorate of 4 to 18 parts per billion (ppb), since neither an MCL or HA has been established. At present, there are three exceedances of the SEL for perchlorate. Detections that exceeded the SEL occurred at MW-34M2 and MW-31S in the vicinity of the Demolition Area 1 plume and in MW-13D at J-3 Range.

Rush (Non-Validated) Data

Rush data are summarized in Table 4. These data are for analyses that are performed on a fast turnaround time, typically 1-5 days. Explosive analyses for monitoring wells, and explosive and VOC analyses for profile samples, are typically conducted in this timeframe. Other types of analyses may be rushed depending on the proposed use of the data. The rush data have not yet been validated, but are provided as an indication of the most recent preliminary results. Table 4 summarizes only detects, and does not show samples with non-detects.

The status of the detections with respect to confirmation using Photo Diode Array (PDA) spectra is indicated in Table 4. PDA is a procedure that has been implemented for the explosive analysis, to reduce the likelihood of false positive identifications. Where the PDA status is "YES" in Table 4, the detected compound is verified as properly identified. Where the status is "NO", the identification of an explosive has been determined to be a false positive. Where the status is blank, PDA has not yet been used to evaluate the detection, or PDA is not applicable because the analyte is a VOC. Most explosive detections verified by PDA are confirmed to be present upon completion of validation. Table 4 includes the following detections:

- Wipe sample, WSJ35C01, collected from a former Ammunition Storage CONNEX at the J-3 Range had detections of 3-nitrotoluene and HMX. The HMX was verified by PDA spectra.

- Wipe sample, WSJ35C02, also collected from the CONNEX had detections of 1,3,5 - trinitrobenzene, 3-nitrotoluene, and HMX. The 1,3,5-trinitrobenzene and HMX were verified by PDA spectra.

- Groundwater samples collected from the FS-12 Response wells 90MP0059B, 90MP0059C, and 90MW0101 had detections of RDX that were verified by PDA spectra. This was the first time these wells have been sampled for explosives.

- Groundwater samples collected from the FS-12 Response well 90MW0054 and the field duplicate, had a detection of RDX that was verified by PDA spectra. RDX was detected at a similar concentration in the previous sampling round for this well.

- Groundwater samples collected from MW-87M2, MW-89M1, MW-89M3, MW-94S, MW-99M1, MW-100M2 and the field duplicate, MW-105M1, MW-105M2, MW-107M1, and MW-107M2 and the field duplicate had detections of RDX that were verified by PDA spectra. RDX was detected at a similar concentrations in the previous sampling rounds for these wells.

- Groundwater samples collected from MW-95S, 95M2, and MW-108M3 had detections of RDX that were verified by PDA spectra. RDX had not been detected in previous sampling rounds for these wells.

- Groundwater sampled collected from MW-98M1 had a detection of 4A-DNT that was verified by PDA spectra. 4A-DNT was detected in similar concentrations in previous sampling rounds for this well.

- Groundwater samples collected from MW-87M1, MW-88M2, MW-89M2, MW-94M2, MW-98M1, MW-100M1, MW-108M4, and MW-113M2, had detections of RDX and HMX that were verified by PDA spectra. RDX and HMX were detected at a similar concentrations in the previous sampling rounds for these wells.

- Groundwater samples collected from MW-130S had detections of RDX, HMX and 4A-DNT that were verified by PDA spectra. These compounds were detected in similar concentrations in the previous sampling round for this well.

- Groundwater samples collected from MW-136S and MW-136M1 had detections of RDX and HMX that were verified by PDA spectra. Both compounds were detected in slightly lower

concentrations in the previous sampling round for MW-136S; neither compound was detected in the previous sampling round for MW-136M1.

- Groundwater samples collected from MW-143M2 and MW-143M3 had detections of RDX and HMX that were verified by PDA spectra. This is the first round of sampling for these wells; RDX and HMX were detected in similar concentrations in the profile sample collected at the MW-143M3 screen interval. HMX was also detected in similar concentrations in the profile sample at the MW-143M2 screen interval. However, 2,6-DNT was detected in the profile sample at the MW-143M2 screen interval, but RDX was not detected in the profile samples.

- Groundwater samples collected from MW-141S had a detection of TNT that was verified by PDA spectra. This was the first round of sampling for this well. TNT was also detected in the profile sample collected at this depth, but at a slightly higher concentration.

- Groundwater samples collected from MW-141M2, MW-142M2, MW-143M1, and MW-147M1 had detections of RDX that were verified by PDA spectra. This is the first round of sampling for these wells; RDX was detected in similar concentrations in the profile samples at these depth intervals.

- Groundwater samples collected from MW-144S had a detection of HMX that was verified by PDA spectra. This was the first round of sampling for this well. HMX was also detected in the profile sample collected at this depth, at a similar concentration.

- Groundwater samples collected from MW-147M2 had detections of RDX and HMX that were verified by PDA spectra. This was the first round of sampling for this well. RDX was detected in a similar concentration in the profile sample at this depth. HMX was not detected in the profile sample at this depth, but was detected in the profile sample collected ten feet higher in the borehole.

- The groundwater profile samples from MW-149 had detections 2,4-DNT (1 interval), nitroglycerin (2 intervals), and 1,3-dinitrobenzene (1 interval). None of the explosive detections were verified by PDA spectra.

- The groundwater profile samples from MW-152 had detections of acetone (17 intervals), chloroform (11 intervals), MEK (11 intervals), 2-hexanone (2 intervals), 2A-DNT (1 interval), picric acid (3 intervals), and nitroglycerin (3 intervals). None of the explosive detections were verified by PDA spectra.

- The groundwater profile samples from MW-153 had detections of acetone (16 intervals), chloromethane (2 intervals), chloroform (4 intervals), MEK (9 intervals), 2-hexanone (1 interval), carbon disulfide (2 intervals), ethyl benzene (1 interval), 2,6-DNT (2 intervals), 2A-DNT (2 intervals), picric acid (5 intervals), nitroglycerin (3 intervals), and RDX (4 intervals). The detections of RDX and one detection of nitroglycerin were verified by PDA spectra.

- The groundwater profile samples from MW-154 had detections of acetone (13 intervals), chloroform (17 intervals), benzene (1 interval), MEK (9 intervals), 2,6-DNT (2 intervals), picric acid (1 interval), nitroglycerin (3 intervals) and HMX (1 interval). The HMX was verified by PDA spectra.

- The groundwater profile samples from MW-155 had detections of acetone (8 intervals), chloroform (15 intervals), MEK (5 intervals), 2A-DNT (1 interval), picric acid (7 intervals), and 1,2,4-trichlorobenzene (1 interval). None of the explosive detections were verified by PDA spectra.

- The groundwater profile samples from MW-156 had detections of acetone (3 intervals), and MEK (3 intervals).

- The groundwater sample collected at the water table from boring B-23 on the J-3 Range had detections of acetone, chloroform, chloromethane, 2,4,6-TNT, nitroglycerin, and HMX. The 2,4,6-DNT and HMX were verified by PDA spectra.

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period include the following:

Weekly Progress Update (January 15 – January 19)	2/02/01
Weekly Progress Update (January 22 – January 26)	2/05/01
Weekly Progress Update (January 29 – February 2)	2/07/01
Final Evaluation of False-Positive Explosive Detections (Technical Memorandum 99-6)	2/07/01
Monthly Progress Report (January 2001)	2/07/01
Draft RRA Round 2 Field Sampling Plan	2/14/01
Weekly Progress Update (February 5 – February 9)	2/20/01
Weekly Progress Update (February 12 - February 16)	2/23/01
Draft Central Impact Area Groundwater Report (Technical Memorandum 01-6)	2/27/01

4. SCHEDULED ACTIONS

Figure 7 provides a Gantt chart updated to reflect progress and proposed work. Activities scheduled for March and early April include:

- Continue Draft Demo 1 Groundwater Report revision
- Finish Demo 1 Soil COCs Identification
- Continue Demo 1 Soil Report preparation
- Start Draft Central Impact Area Groundwater Response Plan Report revision
- Finish J-2 Range geophysics survey
- Finish Draft J-2 Range Report
- Start Draft J-2 Range Report revision
- Start J-2 Range Additional Delineation Investigation
- Continue J-1/J-3/L Range soil/groundwater and geophysics investigations
- Finish J-1/J-3/L Range Interim Results Report
- Continue Draft J-1/J-3/L Range Report preparation
- Finish Gun/Mortar COCs Identification
- Start Draft Gun/Mortar Report preparation
- Continue Training Areas Investigation
- Continue HUTA-1 Investigation
- Continue HUTA-1 Report preparation
- Continue Draft Targets Report revision
- Continue Phase II (b) Investigations

- Start Draft Phase II (b) Report Preparation
- Continue groundwater monitoring programs
- Continue Draft Revised ASR Report preparation
- Continue Draft Geophysics Report revision
- Continue RRA Group 1 Completion of Work Report preparation
- Finish RRA Group 2 Draft RRA Workplan Addendum revision
- Continue Demo 1 Soil FS Screening Report preparation
- Continue Draft Demo 1 Groundwater FS Screening Report revision
- Start Draft Demo 1 Post-Screening Investigation Workplan preparation
- Start Demo 1 Groundwater ITE Treatability Studies
- Finish Draft UXO HUTA-1 FS Screening Report
- Continue UXO Other Operable Units FS Screening Report

5. SUMMARY OF ACTIVITIES FOR DEMO 1

Soil sampling and munitions survey activities have been completed for Demo 1. Groundwater sampling of existing wells continues under the LTM plan, and new response wells are being sampled for the first time. The groundwater data have been evaluated to identify Chemicals of Concern (COC) in accordance with the process approved by EPA. The Soil COC Report is being prepared. Groundwater samples are being analyzed and the results validated.

TABLE 2
SAMPLING PROGRESS
2/1/2001-2/28/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
4.A.1.00623.1.0	A.1.00623.R	02/22/2001	CRATER GRID	2.25	2.50		
4.A.1.00623.10.0	A.1.00623.R	02/23/2001	CRATER GRID	2.25	2.50		
4.A.1.00623.2.0	A.1.00623.R	02/22/2001	CRATER GRID	2.25	2.50		
4.A.1.00623.3.0	A.1.00623.R	02/22/2001	CRATER GRID	2.25	2.50		
4.A.1.00623.4.0	A.1.00623.R	02/22/2001	CRATER GRID	2.25	2.50		
4.A.1.00623.5.0	A.1.00623.R	02/22/2001	CRATER GRID	2.25	2.50		
4.A.1.00623.6.0	A.1.00623.R	02/23/2001	CRATER GRID	2.25	2.50		
4.A.1.00623.7.0	A.1.00623.R	02/23/2001	CRATER GRID	2.25	2.50		
4.A.1.00623.8.0	A.1.00623.R	02/23/2001	CRATER GRID	2.25	2.50		
4.A.1.00623.9.0	A.1.00623.R	02/23/2001	CRATER GRID	2.25	2.50		
6.A.1.00590.1.0	A.1.00590.R	02/08/2001	CRATER GRID	2.00	2.25		
6.A.1.00590.1.D	A.1.00590.R	02/08/2001	CRATER GRID	2.00	2.25		
6.A.1.00590.10.0	A.1.00590.R	02/12/2001	CRATER GRID	2.00	2.25		
6.A.1.00590.10.D	A.1.00590.R	02/12/2001	CRATER GRID	2.00	2.25		
6.A.1.00590.2.0	A.1.00590.R	02/08/2001	CRATER GRID	2.00	2.25		
6.A.1.00590.2.D	A.1.00590.R	02/08/2001	CRATER GRID	2.00	2.25		
6.A.1.00590.3.0	A.1.00590.R	02/08/2001	CRATER GRID	2.00	2.25		
6.A.1.00590.3.D	A.1.00590.R	02/08/2001	CRATER GRID	2.00	2.25		
6.A.1.00590.4.0	A.1.00590.R	02/08/2001	CRATER GRID	2.00	2.25		
6.A.1.00590.4.D	A.1.00590.R	02/08/2001	CRATER GRID	2.00	2.25		
6.A.1.00590.5.0	A.1.00590.R	02/08/2001	CRATER GRID	2.00	2.25		
6.A.1.00590.5.D	A.1.00590.R	02/08/2001	CRATER GRID	2.00	2.25		
6.A.1.00590.6.0	A.1.00590.R	02/12/2001	CRATER GRID	2.00	2.25		
6.A.1.00590.6.D	A.1.00590.R	02/12/2001	CRATER GRID	2.00	2.25		
6.A.1.00590.7.0	A.1.00590.R	02/12/2001	CRATER GRID	2.00	2.25		
6.A.1.00590.7.D	A.1.00590.R	02/12/2001	CRATER GRID	2.00	2.25		
6.A.1.00590.8.0	A.1.00590.R	02/12/2001	CRATER GRID	2.00	2.25		
6.A.1.00590.8.D	A.1.00590.R	02/12/2001	CRATER GRID	2.00	2.25		
6.A.1.00590.9.0	A.1.00590.R	02/12/2001	CRATER GRID	2.00	2.25		
6.A.1.00590.9.D	A.1.00590.R	02/12/2001	CRATER GRID	2.00	2.25		
6.A.1.00592.1.0	A.1.00592.R	02/08/2001	CRATER GRID	0.75	1.00		
6.A.1.00592.10.0	A.1.00592.R	02/12/2001	CRATER GRID	0.75	1.00		
6.A.1.00592.2.0	A.1.00592.R	02/08/2001	CRATER GRID	0.75	1.00		
6.A.1.00592.3.0	A.1.00592.R	02/08/2001	CRATER GRID	0.75	1.00		
6.A.1.00592.4.0	A.1.00592.R	02/08/2001	CRATER GRID	0.75	1.00		
6.A.1.00592.5.0	A.1.00592.R	02/08/2001	CRATER GRID	0.75	1.00		
6.A.1.00592.6.0	A.1.00592.R	02/12/2001	CRATER GRID	0.75	1.00		
6.A.1.00592.7.0	A.1.00592.R	02/12/2001	CRATER GRID	0.75	1.00		
6.A.1.00592.8.0	A.1.00592.R	02/12/2001	CRATER GRID	0.75	1.00		
6.A.1.00592.9.0	A.1.00592.R	02/12/2001	CRATER GRID	0.75	1.00		
6.A.1.00600.1.0	A.1.00600.R	02/08/2001	CRATER GRID	1.00	1.25		
6.A.1.00600.10.0	A.1.00600.R	02/12/2001	CRATER GRID	1.00	1.25		
6.A.1.00600.2.0	A.1.00600.R	02/08/2001	CRATER GRID	1.00	1.25		
6.A.1.00600.3.0	A.1.00600.R	02/08/2001	CRATER GRID	1.00	1.25		
6.A.1.00600.4.0	A.1.00600.R	02/08/2001	CRATER GRID	1.00	1.25		
6.A.1.00600.5.0	A.1.00600.R	02/08/2001	CRATER GRID	1.00	1.25		
6.A.1.00600.6.0	A.1.00600.R	02/12/2001	CRATER GRID	1.00	1.25		
6.A.1.00600.7.0	A.1.00600.R	02/12/2001	CRATER GRID	1.00	1.25		
6.A.1.00600.8.0	A.1.00600.R	02/12/2001	CRATER GRID	1.00	1.25		

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
SED = Sample End Depth, measured in feet bgs
BWTS = Depth below water table, start depth, measured in feet
BWTE = Depth below water table, end depth, measured in feet

TABLE 2
SAMPLING PROGRESS
2/1/2001-2/28/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
6.A.1.00600.9.0	A.1.00600.R	02/12/2001	CRATER GRID	1.00	1.25		
6.A.1.00610.1.0	A.1.00610.R	02/12/2001	CRATER GRID	1.50	1.75		
6.A.1.00610.10.0	A.1.00610.R	02/16/2001	CRATER GRID	1.50	1.75		
6.A.1.00610.2.0	A.1.00610.R	02/12/2001	CRATER GRID	1.50	1.75		
6.A.1.00610.3.0	A.1.00610.R	02/12/2001	CRATER GRID	1.50	1.75		
6.A.1.00610.4.0	A.1.00610.R	02/12/2001	CRATER GRID	1.50	1.75		
6.A.1.00610.5.0	A.1.00610.R	02/12/2001	CRATER GRID	1.50	1.75		
6.A.1.00610.6.0	A.1.00610.R	02/16/2001	CRATER GRID	1.50	1.75		
6.A.1.00610.7.0	A.1.00610.R	02/16/2001	CRATER GRID	1.50	1.75		
6.A.1.00610.8.0	A.1.00610.R	02/16/2001	CRATER GRID	1.50	1.75		
6.A.1.00610.9.0	A.1.00610.R	02/16/2001	CRATER GRID	1.50	1.75		
HDGR37MM5SS1	HDGR37MM5SS1	02/22/2001	CRATER GRID	0.00	0.25		
HDGR37MM5SS2	HDGR37MM5SS2	02/22/2001	CRATER GRID	0.00	0.25		
HDGR37MM5SS3	HDGR37MM5SS3	02/22/2001	CRATER GRID	0.00	0.25		
HDGR37MM5SS4	HDGR37MM5SS4	02/22/2001	CRATER GRID	0.00	0.25		
HDGR37MM5SS5	HDGR37MM5SS5	02/22/2001	CRATER GRID	0.00	0.25		
HDGR37MM5SS5D	HDGR37MM5SS5	02/22/2001	CRATER GRID	0.00	0.25		
HDGR37MM5SS6	HDGR37MM5SS6	02/22/2001	CRATER GRID	0.00	0.25		
HDGR37MM5SS7	HDGR37MM5SS7	02/22/2001	CRATER GRID	0.00	0.25		
HDGR37MM5SS8	HDGR37MM5SS8	02/22/2001	CRATER GRID	0.00	0.25		
HDJ2M7LAWESS09	HDJ2M7LAWESS09	02/28/2001	CRATER GRID	0.00	0.25		
HDJ2M7LAWESS10	HDJ2M7LAWESS10	02/28/2001	CRATER GRID	0.00	0.25		
HDJ2M7LAWESS11	HDJ2M7LAWESS11	02/28/2001	CRATER GRID	0.00	0.25		
HDJ2M7LAWESS12	HDJ2M7LAWESS12	02/28/2001	CRATER GRID	0.00	0.25		
HDP19105MM5SS0	HDP19105MM5SS09	02/28/2001	CRATER GRID	0.00	0.25		
HDP19105MM5SS1	HDP19105MM5SS10	02/28/2001	CRATER GRID	0.00	0.25		
HDP19105MM5SS1	HDP19105MM5SS11	02/28/2001	CRATER GRID	0.00	0.25		
HDP19105MM5SS1	HDP19105MM5SS12	02/28/2001	CRATER GRID	0.00	0.25		
J1.A.2.00196.1.0	J1.2.00196.R	02/16/2001	CRATER GRID	0.00	0.25		
J1.A.2.00196.1.D	J1.2.00196.R	02/16/2001	CRATER GRID	0.00	0.25		
J1.A.2.00196.2.0	J1.2.00196.R	02/16/2001	CRATER GRID	0.00	0.25		
J1.A.2.00196.2.D	J1.2.00196.R	02/16/2001	CRATER GRID	0.00	0.25		
J1.A.2.00197.3.0	J1.2.00197.R	02/16/2001	CRATER GRID	0.00	0.25		
J1.A.2.00198.3.0	J1.2.00198.R	02/16/2001	CRATER GRID	0.25	0.50		
J1.A.2.00199.3.0	J1.2.00199.R	02/16/2001	CRATER GRID	0.25	0.50		
J1.A.2.00200.3.0	J1.2.00200.R	02/16/2001	CRATER GRID	0.25	0.50		
J1.A.2.00201.3.0	J1.2.00201.R	02/26/2001	CRATER GRID	0.25	0.50		
0.G.0.00024.0.E	FIELDQC	02/06/2001	FIELDQC	0.00	0.00		
0.G.0.00025.0.E	FIELDQC	02/06/2001	FIELDQC	0.00	0.00		
0.G.0.00026.0.E	FIELDQC	02/07/2001	FIELDQC	0.00	0.00		
0.G.0.00027.0.E	FIELDQC	02/07/2001	FIELDQC	0.00	0.00		
0.G.0.00053.0.T	FIELDQC	02/02/2001	FIELDQC	0.00	0.00		
0.G.0.00053.0.T	FIELDQC	02/06/2001	FIELDQC	0.00	0.00		
0.G.0.00054.0.T	FIELDQC	02/07/2001	FIELDQC	0.00	0.00		
0.G.0.00055.0.T	FIELDQC	02/08/2001	FIELDQC	0.00	0.00		
0.G.0.00056.0.T	FIELDQC	02/09/2001	FIELDQC	0.00	0.00		
0.G.0.00057.0.T	FIELDQC	02/12/2001	FIELDQC	0.00	0.00		
0.G.0.00060.0.T	FIELDQC	02/26/2001	FIELDQC	0.00	0.00		
4.A.1.00623.1.D	A.1.00623.R	02/22/2001	FIELDQC	2.25	2.50		

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
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SED = Sample End Depth, measured in feet bgs
BWTS = Depth below water table, start depth, measured in feet
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TABLE 2
SAMPLING PROGRESS
2/1/2001-2/28/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
4.A.1.00623.10.D	A.1.00623.R	02/23/2001	FIELDQC	2.25	2.50		
4.A.1.00623.2.D	A.1.00623.R	02/22/2001	FIELDQC	2.25	2.50		
4.A.1.00623.3.D	A.1.00623.R	02/22/2001	FIELDQC	2.25	2.50		
4.A.1.00623.4.D	A.1.00623.R	02/22/2001	FIELDQC	2.25	2.50		
4.A.1.00623.5.D	A.1.00623.R	02/22/2001	FIELDQC	2.25	2.50		
4.A.1.00623.6.D	A.1.00623.R	02/23/2001	FIELDQC	2.25	2.50		
4.A.1.00623.7.D	A.1.00623.R	02/23/2001	FIELDQC	2.25	2.50		
4.A.1.00623.8.D	A.1.00623.R	02/23/2001	FIELDQC	2.25	2.50		
4.A.1.00623.9.D	A.1.00623.R	02/23/2001	FIELDQC	2.25	2.50		
4.C.2.00520.1.D	C.2.00520.O	02/26/2001	FIELDQC	1.25	1.50		
4.C.2.00520.2.D	C.2.00520.O	02/27/2001	FIELDQC	1.25	1.50		
4.C.2.00520.3.D	C.2.00520.O	02/27/2001	FIELDQC	1.25	2.25		
4.D.1.00619.1.D	D.1.00619.O	02/22/2001	FIELDQC	0.75	1.00		
4.D.1.00619.2.D	D.1.00619.O	02/23/2001	FIELDQC	0.75	1.00		
4.D.1.00619.3.D	D.1.00619.O	02/23/2001	FIELDQC	0.75	1.00		
90RI0005AE	FIELDQC	02/01/2001	FIELDQC	0.00	0.00		
90RI0006DE	FIELDQC	02/02/2001	FIELDQC	0.00	0.00		
AB0023AAT	FIELDQC	02/21/2001	FIELDQC	0.00	0.00		
AB0023CAE	FIELDQC	02/21/2001	FIELDQC	0.00	0.00		
G152DAE	FIELDQC	02/05/2001	FIELDQC	0.00	0.00		
G152DAT	FIELDQC	02/06/2001	FIELDQC	0.00	0.00		
G152DHE	FIELDQC	02/05/2001	FIELDQC	0.00	0.00		
G152DHT	FIELDQC	02/06/2001	FIELDQC	0.00	0.00		
G153DAE	FIELDQC	02/07/2001	FIELDQC	0.00	0.00		
G153DAT	FIELDQC	02/07/2001	FIELDQC	0.00	0.00		
G153DEE	FIELDQC	02/08/2001	FIELDQC	0.00	0.00		
G153DET	FIELDQC	02/08/2001	FIELDQC	0.00	0.00		
G153DNE	FIELDQC	02/09/2001	FIELDQC	0.00	0.00		
G153DNT	FIELDQC	02/09/2001	FIELDQC	0.00	0.00		
G154DFE	FIELDQC	02/12/2001	FIELDQC	0.00	0.00		
G154DFT	FIELDQC	02/12/2001	FIELDQC	0.00	0.00		
G154DNE	FIELDQC	02/13/2001	FIELDQC	0.00	0.00		
G154DNT	FIELDQC	02/13/2001	FIELDQC	0.00	0.00		
G155DAE	FIELDQC	02/22/2001	FIELDQC	0.00	0.00		
G155DCT	FIELDQC	02/22/2001	FIELDQC	0.00	0.00		
G156DAE	FIELDQC	02/28/2001	FIELDQC	0.00	0.00		
G156DCT	FIELDQC	02/28/2001	FIELDQC	0.00	0.00		
H.0.00020.0.D	FIELDQC	02/28/2001	FIELDQC	0.00	1.00		
HDA021201AE	FIELDQC	02/16/2001	FIELDQC	0.00	0.00		
HDA021201AT	FIELDQC	02/16/2001	FIELDQC	0.00	0.00		
HDGR37MM5SSE	FIELDQC	02/22/2001	FIELDQC	0.00	0.00		
W120M1T	FIELDQC	02/15/2001	FIELDQC	0.00	0.00		
W127SST	FIELDQC	02/14/2001	FIELDQC	0.00	0.00		
W131M2T	FIELDQC	02/20/2001	FIELDQC	0.00	0.00		
W147M1T	FIELDQC	02/23/2001	FIELDQC	0.00	0.00		
W147M3T	FIELDQC	02/26/2001	FIELDQC	0.00	0.00		
WSB-12	FIELDQC	02/02/2001	FIELDQC	0.00	0.00		
WSJ35C01AE	FIELDQC	02/02/2001	FIELDQC	0.00	0.00		
WW013101E	FIELDQC	02/01/2001	FIELDQC	0.00	0.00		

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TABLE 2
SAMPLING PROGRESS
2/1/2001-2/28/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
4.C.1.00577.2.0	C.1.00577.O	02/05/2001	GAUZE WIPE	1.75	2.00		
4.C.1.00577.2.D	C.1.00577.O	02/05/2001	GAUZE WIPE	1.75	2.00		
4.C.1.00577.3.0	C.1.00577.O	02/05/2001	GAUZE WIPE	1.75	2.00		
4.C.1.00577.3.D	C.1.00577.O	02/05/2001	GAUZE WIPE	1.75	2.00		
4.C.1.00582.2.0	C.1.00582.O	02/05/2001	GAUZE WIPE	1.50	1.75		
4.C.1.00582.3.0	C.1.00582.O	02/05/2001	GAUZE WIPE	1.50	1.75		
4.C.1.00583.2.0	C.1.00583.O	02/05/2001	GAUZE WIPE	1.00	1.25		
4.C.1.00583.3.0	C.1.00583.O	02/05/2001	GAUZE WIPE	1.00	1.25		
4.C.1.00585.2.0	C.1.00585.O	02/05/2001	GAUZE WIPE	1.00	1.25		
4.C.1.00585.3.0	C.1.00585.O	02/05/2001	GAUZE WIPE	1.00	1.00		
4.C.1.00613.2.0	C.1.00613.O	02/15/2001	GAUZE WIPE	0.25	0.50		
4.C.1.00613.3.0	C.1.00613.O	02/15/2001	GAUZE WIPE	0.25	0.50		
4.C.1.00614.2.0	C.1.00614.O	02/15/2001	GAUZE WIPE	0.25	0.50		
4.C.1.00614.3.0	C.1.00614.O	02/15/2001	GAUZE WIPE	0.25	0.50		
4.C.1.00615.2.0	C.1.00615.O	02/15/2001	GAUZE WIPE	3.00	3.25		
4.C.1.00615.3.0	C.1.00615.O	02/15/2001	GAUZE WIPE	3.00	3.25		
4.C.1.00616.2.0	C.1.00616.O	02/23/2001	GAUZE WIPE	0.75	1.00		
4.C.1.00616.3.0	C.1.00616.O	02/23/2001	GAUZE WIPE	0.75	1.00		
4.C.1.00618.2.0	C.1.00618.O	02/23/2001	GAUZE WIPE	1.50	1.75		
4.C.1.00618.3.0	C.1.00618.O	02/23/2001	GAUZE WIPE	1.50	1.75		
4.C.1.00621.2.0	C.1.00621.O	02/23/2001	GAUZE WIPE	0.25	0.50		
4.C.1.00621.3.0	C.1.00621.O	02/23/2001	GAUZE WIPE	0.25	0.50		
4.C.1.00622.2.0	C.1.00622.O	02/23/2001	GAUZE WIPE	0.75	1.00		
4.C.1.00622.3.0	C.1.00622.O	02/23/2001	GAUZE WIPE	0.75	1.00		
4.C.1.00624.2.0	C.1.00624.O	02/23/2001	GAUZE WIPE	0.50	0.75		
4.C.1.00624.3.0	C.1.00624.O	02/23/2001	GAUZE WIPE	0.50	0.75		
4.C.2.00519.2.0	C.2.00519.O	02/27/2001	GAUZE WIPE	0.75	1.00		
4.C.2.00519.3.0	C.2.00519.O	02/27/2001	GAUZE WIPE	0.75	1.00		
4.C.2.00520.2.0	C.2.00520.O	02/27/2001	GAUZE WIPE	1.25	1.50		
4.C.2.00520.3.0	C.2.00520.O	02/27/2001	GAUZE WIPE	1.25	1.50		
4.C.2.00522.2.0	C.2.00522.O	02/27/2001	GAUZE WIPE	0.25	0.50		
4.C.2.00522.3.0	C.2.00522.O	02/27/2001	GAUZE WIPE	0.25	0.50		
4.D.1.00576.2.0	D.1.00576.O	02/05/2001	GAUZE WIPE	1.00	1.25		
4.D.1.00576.3.0	D.1.00576.O	02/05/2001	GAUZE WIPE	1.00	1.25		
4.D.1.00580.2.0	D.1.00580.O	02/05/2001	GAUZE WIPE	0.50	0.75		
4.D.1.00580.3.0	D.1.00580.O	02/05/2001	GAUZE WIPE	0.50	0.75		
4.D.1.00581.2.0	D.1.00581.O	02/05/2001	GAUZE WIPE	1.00	1.25		
4.D.1.00581.3.0	D.1.00581.O	02/05/2001	GAUZE WIPE	1.00	1.25		
4.D.1.00584.2.0	D.1.00584.O	02/05/2001	GAUZE WIPE	0.25	0.50		
4.D.1.00584.3.0	D.1.00584.O	02/05/2001	GAUZE WIPE	0.25	0.50		
4.D.1.00617.2.0	D.1.00617.O	02/23/2001	GAUZE WIPE	1.50	1.75		
4.D.1.00617.3.0	D.1.00617.O	02/23/2001	GAUZE WIPE	1.50	1.75		
4.D.1.00619.2.0	D.1.00619.O	02/23/2001	GAUZE WIPE	0.75	1.00		
4.D.1.00619.3.0	D.1.00619.O	02/23/2001	GAUZE WIPE	0.75	1.00		
4.D.1.00620.2.0	D.1.00620.O	02/23/2001	GAUZE WIPE	1.00	1.25		
4.D.1.00620.3.0	D.1.00620.O	02/23/2001	GAUZE WIPE	1.00	1.25		
4.D.2.00521.2.0	D.2.00521.O	02/27/2001	GAUZE WIPE	0.50	0.75		
4.D.2.00521.3.0	D.2.00521.O	02/27/2001	GAUZE WIPE	0.50	0.75		
6.C.1.00586.2.0	C.1.00586.O	02/08/2001	GAUZE WIPE	2.25	2.50		

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SAMPLING PROGRESS
2/1/2001-2/28/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
6.C.1.00586.2.D	C.1.00586.O	02/08/2001	GAUZE WIPE	2.25	2.50		
6.C.1.00586.3.0	C.1.00586.O	02/08/2001	GAUZE WIPE	2.25	2.50		
6.C.1.00586.3.D	C.1.00586.O	02/08/2001	GAUZE WIPE	2.25	2.50		
6.C.1.00587.2.0	C.1.00587.O	02/08/2001	GAUZE WIPE	2.00	2.25		
6.C.1.00587.3.0	C.1.00587.O	02/08/2001	GAUZE WIPE	2.00	2.25		
6.C.1.00588.2.0	C.1.00588.O	02/08/2001	GAUZE WIPE	2.25	2.50		
6.C.1.00588.3.0	C.1.00588.O	02/08/2001	GAUZE WIPE	2.25	2.50		
6.C.1.00589.2.0	C.1.00589.O	02/08/2001	GAUZE WIPE	2.50	2.75		
6.C.1.00589.3.0	C.1.00589.O	02/08/2001	GAUZE WIPE	2.50	2.75		
6.C.1.00591.2.0	C.1.00591.O	02/08/2001	GAUZE WIPE	2.00	2.25		
6.C.1.00591.3.0	C.1.00591.O	02/08/2001	GAUZE WIPE	2.00	2.25		
6.C.1.00593.2.0	C.1.00593.O	02/08/2001	GAUZE WIPE	2.00	2.25		
6.C.1.00593.3.0	C.1.00593.O	02/08/2001	GAUZE WIPE	2.00	2.25		
6.C.1.00594.2.0	C.1.00594.O	02/08/2001	GAUZE WIPE	2.50	2.75		
6.C.1.00594.3.0	C.1.00594.O	02/08/2001	GAUZE WIPE	2.50	2.75		
6.C.1.00596.2.0	C.1.00596.O	02/08/2001	GAUZE WIPE	1.00	1.25		
6.C.1.00596.3.0	C.1.00596.O	02/08/2001	GAUZE WIPE	1.00	1.25		
6.C.1.00597.2.0	C.1.00597.O	02/08/2001	GAUZE WIPE	1.00	1.25		
6.C.1.00597.3.0	C.1.00597.O	02/08/2001	GAUZE WIPE	1.00	1.25		
6.C.1.00602.2.0	C.1.00602.O	02/08/2001	GAUZE WIPE	1.50	1.75		
6.C.1.00602.2.D	C.1.00602.O	02/08/2001	GAUZE WIPE	1.50	1.75		
6.C.1.00602.3.0	C.1.00602.O	02/08/2001	GAUZE WIPE	1.50	1.75		
6.C.1.00602.3.D	C.1.00602.O	02/08/2001	GAUZE WIPE	1.50	1.75		
6.C.1.00603.2.0	C.1.00603.O	02/08/2001	GAUZE WIPE	1.00	1.25		
6.C.1.00603.3.0	C.1.00603.O	02/08/2001	GAUZE WIPE	1.00	1.25		
6.C.1.00604.2.0	C.1.00604.O	02/08/2001	GAUZE WIPE	1.50	1.75		
6.C.1.00604.3.0	C.1.00604.O	02/08/2001	GAUZE WIPE	1.50	1.75		
6.C.1.00606.2.0	C.1.00606.O	02/08/2001	GAUZE WIPE	3.00	3.25		
6.C.1.00606.3.0	C.1.00606.O	02/08/2001	GAUZE WIPE	3.00	3.25		
6.C.1.00607.2.0	C.1.00607.O	02/08/2001	GAUZE WIPE	2.50	2.75		
6.C.1.00607.3.0	C.1.00607.O	02/08/2001	GAUZE WIPE	2.50	2.75		
6.C.1.00608.2.0	C.1.00608.O	02/08/2001	GAUZE WIPE	2.00	2.25		
6.C.1.00608.3.0	C.1.00608.O	02/08/2001	GAUZE WIPE	2.00	2.25		
6.C.1.00611.2.0	C.1.00611.O	02/12/2001	GAUZE WIPE	2.00	2.25		
6.C.1.00611.3.0	C.1.00611.O	02/12/2001	GAUZE WIPE	2.00	2.25		
6.C.1.00612.2.0	C.1.00612.O	02/12/2001	GAUZE WIPE	1.75	2.00		
6.C.1.00612.3.0	C.1.00612.O	02/12/2001	GAUZE WIPE	1.75	2.00		
6.C.1.00625.2.0	C.1.00625.O	02/23/2001	GAUZE WIPE	2.00	2.25		
6.C.1.00625.3.0	C.1.00625.O	02/23/2001	GAUZE WIPE	2.00	2.25		
6.C.1.00626.2.0	C.1.00626.O	02/23/2001	GAUZE WIPE	1.50	1.75		
6.C.1.00626.3.0	C.1.00626.O	02/23/2001	GAUZE WIPE	1.50	1.75		
6.C.1.00627.2.0	C.1.00627.O	02/23/2001	GAUZE WIPE				
6.C.1.00627.3.0	C.1.00627.O	02/23/2001	GAUZE WIPE				
6.C.2.00516.2.0	C.2.00516.O	02/23/2001	GAUZE WIPE	0.75	1.00		
6.C.2.00516.3.0	C.2.00516.O	02/23/2001	GAUZE WIPE	0.75	1.00		
6.C.2.00517.2.0	C.2.00517.O	02/23/2001	GAUZE WIPE	0.50	0.75		
6.C.2.00517.3.0	C.2.00517.O	02/23/2001	GAUZE WIPE	0.50	0.75		
6.D.2.00518.2.0	D.2.00518.O	02/23/2001	GAUZE WIPE	0.50	0.75		
6.D.2.00518.3.0	D.2.00518.O	02/23/2001	GAUZE WIPE	0.50	0.75		

Profiling methods include: Volatiles and Explosives
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2/1/2001-2/28/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
WSJ35C01AA	WSJ35C01AA	02/02/2001	GAUZE WIPE				
WSJ35C02AA	WSJ35C02AA	02/02/2001	GAUZE WIPE				
90RI0005AA	90RI0005AA	02/01/2001	GROUNDWATER	45.00	45.00	33.90	33.90
90RI0005BA	90RI0005BA	02/01/2001	GROUNDWATER	55.00	55.00	43.90	43.90
90RI0005BD	90RI0005BD	02/01/2001	GROUNDWATER	55.00	55.00	43.90	43.90
90RI0005CA	90RI0005CA	02/01/2001	GROUNDWATER	65.00	65.00	53.90	53.90
90RI0005DA	90RI0005DA	02/01/2001	GROUNDWATER	75.00	75.00	63.90	63.90
90RI0005EA	90RI0005EA	02/02/2001	GROUNDWATER	85.00	85.00	73.80	73.80
90RI0005FA	90RI0005FA	02/02/2001	GROUNDWATER	95.00	95.00	83.80	83.80
90RI0005GA	90RI0005GA	02/02/2001	GROUNDWATER	105.00	105.00	93.80	93.80
90RI0006AA	90RI0006AA	02/01/2001	GROUNDWATER	45.00	45.00	30.30	30.30
90RI0006BA	90RI0006BA	02/01/2001	GROUNDWATER	55.00	55.00	40.30	40.30
90RI0006CA	90RI0006CA	02/01/2001	GROUNDWATER	65.00	65.00	50.30	50.30
90RI0006CD	90RI0006CA	02/01/2001	GROUNDWATER	65.00	65.00	50.30	50.30
90RI0006DA	90RI0006DA	02/02/2001	GROUNDWATER	75.00	75.00	60.30	60.30
90RI0006EA	90RI0006EA	02/02/2001	GROUNDWATER	85.00	85.00	70.30	70.30
90RI0006FA	90RI0006FA	02/02/2001	GROUNDWATER	95.00	95.00	80.30	80.30
90RI0006GA	90RI0006GA	02/02/2001	GROUNDWATER	105.00	105.00	90.30	90.30
W109SSA	MW-109	02/06/2001	GROUNDWATER	89.00	99.00	0.00	10.00
W116SSA	MW-116	02/13/2001	GROUNDWATER	103.00	113.00	0.00	10.00
W116SSA	MW-116	02/14/2001	GROUNDWATER	103.00	113.00	0.00	10.00
W117SSA	MW-117	02/13/2001	GROUNDWATER	103.00	113.00	0.00	10.00
W117SSA	MW-117	02/14/2001	GROUNDWATER	103.00	113.00	0.00	10.00
W118M1A	MW-118	02/13/2001	GROUNDWATER	146.00	156.00	34.00	44.00
W118SSA	MW-118	02/13/2001	GROUNDWATER	116.00	126.00	3.99	13.99
W119SSA	MW-119	02/16/2001	GROUNDWATER	103.00	113.00	0.00	10.00
W120M1A	MW-120	02/15/2001	GROUNDWATER	260.00	270.00	154.25	164.25
W120M1D	MW-120	02/15/2001	GROUNDWATER	260.00	270.00	154.25	164.25
W120SSA	MW-120	02/14/2001	GROUNDWATER	103.00	113.00	0.00	10.00
W120SSA	MW-120	02/15/2001	GROUNDWATER	103.00	113.00	0.00	10.00
W121SSA	MW-121	02/15/2001	GROUNDWATER	88.00	98.00	0.00	10.00
W122SSA	MW-122	02/14/2001	GROUNDWATER	88.00	98.00	0.00	10.00
W122SSA	MW-122	02/15/2001	GROUNDWATER	88.00	98.00	0.00	10.00
W125M1A	MW-125	02/20/2001	GROUNDWATER	232.00	242.00	179.49	189.49
W125M1L	MW-125	02/20/2001	GROUNDWATER	232.00	242.00	179.49	189.49
W125SSA	MW-125	02/19/2001	GROUNDWATER	50.00	60.00	0.00	10.00
W126M1A	MW-126	02/21/2001	GROUNDWATER	118.00	128.00	16.20	26.20
W126SSA	MW-126	02/21/2001	GROUNDWATER	99.00	109.00	0.00	10.00
W127SSA	MW-127	02/14/2001	GROUNDWATER	99.00	109.00	0.00	10.00
W127SSA	MW-127	02/14/2001	GROUNDWATER	99.00	109.00	0.00	10.00
W128M1A	MW-128	02/14/2001	GROUNDWATER	144.00	154.00	54.85	64.85
W128M1D	MW-128	02/14/2001	GROUNDWATER	144.00	154.00	54.85	64.85
W128M2A	MW-128	02/14/2001	GROUNDWATER	104.00	114.00	14.76	24.76
W128SSA	MW-128	02/14/2001	GROUNDWATER	97.00	107.00	0.00	10.00
W128SSA	MW-128	02/14/2001	GROUNDWATER	97.00	107.00	0.00	10.00
W129M1A	MW-129	02/14/2001	GROUNDWATER	154.00	54.85	64.85	89.15
W130DDA	MW-130	02/14/2001	GROUNDWATER	320.00	330.00	213.86	223.86
W130DDD	MW-130	02/14/2001	GROUNDWATER	320.00	330.00	213.86	223.86
W130M1A	MW-130	02/14/2001	GROUNDWATER	160.00	170.00	53.92	63.92

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SAMPLING PROGRESS
2/1/2001-2/28/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W130SSA	MW-130	02/14/2001	GROUNDWATER	103.00	113.00	0.00	6.90
W130SSA	MW-130	02/15/2001	GROUNDWATER	103.00	113.00	0.00	6.90
W131M1A	MW-131	02/16/2001	GROUNDWATER	195.00	205.00	95.69	105.69
W131M2A	MW-131	02/20/2001	GROUNDWATER	195.00	205.00	95.54	105.54
W131SSA	MW-131	02/20/2001	GROUNDWATER	96.00	106.00	0.00	10.00
W132M1A	MW-132	02/15/2001	GROUNDWATER	195.00	205.00	95.69	105.69
W132M1A	MW-132	02/15/2001	GROUNDWATER	224.00	234.00	183.79	193.79
W132SSA	MW-132	02/16/2001	GROUNDWATER	37.00	47.00	0.00	10.00
W133DDA	MW-133	02/13/2001	GROUNDWATER	352.00	362.00	135.00	145.00
W133M1A	MW-133	02/22/2001	GROUNDWATER	321.00	331.00	101.95	121.95
W136M1A	MW-136	02/19/2001	GROUNDWATER	124.00	134.00	14.60	24.60
W136M1A	MW-136	02/19/2001	GROUNDWATER	224.00	234.00	114.60	124.60
W136SSA	MW-136	02/19/2001	GROUNDWATER	107.00	117.00	0.00	10.00
W137SSA	MW-137	02/14/2001	GROUNDWATER	105.00	115.00	0.00	7.95
W140M1A	MW-140	02/13/2001	GROUNDWATER	107.00	117.00	14.88	24.88
W141M1A	MW-141	02/10/2001	GROUNDWATER	190.00	200.00	59.68	69.68
W141M2A	MW-141	02/10/2001	GROUNDWATER	162.00	172.00	31.70	41.70
W141SSA	MW141	02/10/2001	GROUNDWATER	128.00	138.00	0.00	7.79
W142M1A	MW-142	02/14/2001	GROUNDWATER	225.00	235.00	180.50	190.50
W142M2A	MW-142	02/14/2001	GROUNDWATER	140.00	150.00	95.10	105.10
W143M1A	MW-143	02/07/2001	GROUNDWATER	144.00	154.00	110.02	120.02
W143M1D	MW-143	02/07/2001	GROUNDWATER	144.00	154.00	110.02	120.02
W143M2A	MW-143	02/07/2001	GROUNDWATER	117.00	122.00	83.02	88.02
W143M3A	MW-143	02/08/2001	GROUNDWATER	107.00	112.00	73.01	78.01
W144M1A	MW-144	02/08/2001	GROUNDWATER	195.00	205.00	169.74	179.74
W144M1L	MW-144	02/08/2001	GROUNDWATER	195.00	205.00	169.74	179.74
W144M2A	MW-144	02/09/2001	GROUNDWATER	130.00	140.00	104.81	114.81
W144SSA	MW-144	02/12/2001	GROUNDWATER	26.00	36.00	0.00	10.00
W145M1A	MW-145	02/12/2001	GROUNDWATER	125.00	135.00	93.38	103.38
W145M1L	MW-145	02/12/2001	GROUNDWATER	125.00	135.00	93.38	103.38
W145SSA	MW-145	02/12/2001	GROUNDWATER	30.00	40.00	0.00	10.00
W146M1A	MW-146	02/23/2001	GROUNDWATER	166.00	171.00	71.58	76.58
W146SSA	MW-146	02/23/2001	GROUNDWATER	92.00	102.00	0.00	10.00
W147M1A	MW-147	02/23/2001	GROUNDWATER	167.00	177.00	89.97	99.97
W147M2A	MW-147	02/23/2001	GROUNDWATER	150.00	160.00	72.90	82.90
W147M3A	MW-147	02/26/2001	GROUNDWATER	144.00	154.00	66.84	76.84
W148M2A	MW-148	02/28/2001	GROUNDWATER	90.00	100.00	25.15	35.15
W148SSA	MW-148	02/28/2001	GROUNDWATER	61.00	71.00	0.00	10.00
W85M1A	MW-85	02/10/2001	GROUNDWATER	137.50	147.50	17.70	27.70
W85SSA	MW-85	02/10/2001	GROUNDWATER	116.00	126.00	0.00	6.20
DW020101	GAC WATER	02/01/2001	IDW				
DW020801	GAC WATER	02/08/2001	IDW				
DW021501	GAC WATER	02/15/2001	IDW				
DW022601	GAC WATER	02/26/2001	IDW				
PWPPC01FE1A	RRA CONTAINMEN-	02/01/2001	IDW				
PWPPC07FE1A	RRA CONTAINMEN-	02/07/2001	IDW				
PWPPC26FE1A	RRA CONTAINMEN-	02/26/2001	IDW				
G152DAA	MW-152	02/05/2001	PROFILE	110.00	110.00	0.80	0.80
G152DBA	MW-152	02/05/2001	PROFILE	120.00	120.00	10.80	10.80

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
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TABLE 2
SAMPLING PROGRESS
2/1/2001-2/28/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G152DCA	MW-152	02/05/2001	PROFILE	130.00	130.00	20.80	20.80
G152DCD	MW-152	02/05/2001	PROFILE	130.00	130.00	20.80	20.80
G152DDA	MW-152	02/05/2001	PROFILE	140.00	140.00	30.80	30.80
G152DEA	MW-152	02/05/2001	PROFILE	150.00	150.00	40.80	40.80
G152DFA	MW-152	02/05/2001	PROFILE	160.00	160.00	50.80	50.80
G152DGA	MW-152	02/05/2001	PROFILE	170.00	170.00	60.80	60.80
G152DHA	MW-152	02/06/2001	PROFILE	180.00	180.00	70.80	70.80
G152DIA	MW-152	02/06/2001	PROFILE	190.00	190.00	80.80	80.80
G152DJA	MW-152	02/06/2001	PROFILE	200.00	200.00	90.80	90.80
G152DKA	MW-152	02/06/2001	PROFILE	210.00	210.00	100.80	100.80
G152DLA	MW-152	02/07/2001	PROFILE	220.00	220.00	110.80	110.80
G152DMA	MW-152	02/07/2001	PROFILE	230.00	230.00	120.80	120.80
G152DMD	MW-152	02/07/2001	PROFILE	230.00	230.00	120.80	120.80
G152DNA	MW-152	02/07/2001	PROFILE	240.00	240.00	130.80	130.80
G152DOA	MW-152	02/07/2001	PROFILE	250.00	250.00	140.80	140.80
G152DPA	MW-152	02/07/2001	PROFILE	260.00	260.00	150.80	150.80
G152DQA	MW-152	02/07/2001	PROFILE	270.00	270.00	160.80	160.80
G153DAA	MW-153	02/07/2001	PROFILE	110.00	110.00	14.70	14.70
G153DBA	MW-153	02/07/2001	PROFILE	120.00	120.00	24.70	24.70
G153DCA	MW-153	02/07/2001	PROFILE	130.00	130.00	34.70	34.70
G153DDA	MW-153	02/07/2001	PROFILE	140.00	140.00	44.70	44.70
G153DDD	MW-153	02/07/2001	PROFILE	140.00	140.00	44.70	44.70
G153DEA	MW-153	02/08/2001	PROFILE	150.00	150.00	54.70	54.70
G153DFA	MW-153	02/08/2001	PROFILE	160.00	160.00	64.70	64.70
G153DGA	MW-153	02/08/2001	PROFILE	170.00	170.00	74.70	74.70
G153DHA	MW-153	02/08/2001	PROFILE	180.00	180.00	84.70	84.70
G153DIA	MW-153	02/08/2001	PROFILE	190.00	190.00	94.70	94.70
G153DJA	MW-153	02/08/2001	PROFILE	200.00	200.00	104.70	104.70
G153DKA	MW-153	02/08/2001	PROFILE	210.00	210.00	114.70	114.70
G153DLA	MW-153	02/08/2001	PROFILE	220.00	220.00	124.70	124.70
G153DMA	MW-153	02/08/2001	PROFILE	230.00	230.00	134.70	134.70
G153DMD	MW-153	02/08/2001	PROFILE	230.00	230.00	134.70	134.70
G153DNA	MW-153	02/09/2001	PROFILE	240.00	240.00	144.70	144.70
G153DOA	MW-153	02/09/2001	PROFILE	250.00	250.00	154.70	154.70
G153DQA	MW-153	02/09/2001	PROFILE	270.00	270.00	174.70	174.70
G153DRA	MW-153	02/12/2001	PROFILE	280.00	280.00	184.70	184.70
G153DSA	MW-153	02/12/2001	PROFILE	290.00	290.00	194.70	194.70
G153DSD	MW-153	02/12/2001	PROFILE	290.00	290.00	194.70	194.70
G154DAA	MW-154	02/09/2001	PROFILE	110.00	110.00	10.00	10.00
G154DBA	MW-154	02/09/2001	PROFILE	120.00	120.00	20.00	20.00
G154DCA	MW-154	02/09/2001	PROFILE	130.00	130.00	30.00	30.00
G154DCD	MW-154	02/09/2001	PROFILE	130.00	130.00	30.00	30.00
G154DDA	MW-154	02/09/2001	PROFILE	140.00	140.00	40.00	40.00
G154DEA	MW-154	02/09/2001	PROFILE	150.00	150.00	50.00	50.00
G154DFA	MW-154	02/12/2001	PROFILE	160.00	160.00	60.00	60.00
G154DGA	MW-154	02/12/2001	PROFILE	170.00	170.00	70.00	70.00
G154DHA	MW-154	02/12/2001	PROFILE	180.00	180.00	80.00	80.00
G154DIA	MW-154	02/12/2001	PROFILE	190.00	190.00	90.00	90.00
G154DJA	MW-154	02/12/2001	PROFILE	200.00	200.00	100.00	100.00

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2/1/2001-2/28/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G154DKA	MW-154	02/12/2001	PROFILE	210.00	210.00	110.00	110.00
G154DLA	MW-154	02/12/2001	PROFILE	220.00	220.00	120.00	120.00
G154DNA	MW-154	02/13/2001	PROFILE	240.00	240.00	140.00	140.00
G154DOA	MW-154	02/13/2001	PROFILE	250.00	250.00	150.00	150.00
G154DPA	MW-154	02/13/2001	PROFILE	260.00	260.00	160.00	160.00
G154DQA	MW-154	02/13/2001	PROFILE	270.00	270.00	170.00	170.00
G154DRA	MW-154	02/13/2001	PROFILE	280.00	280.00	180.00	180.00
G154DSA	MW-154	02/13/2001	PROFILE	290.00	290.00	190.00	190.00
G154DTA	MW-154	02/13/2001	PROFILE	300.00	300.00	200.00	200.00
G154DUA	MW-154	02/13/2001	PROFILE	310.00	310.00	210.00	210.00
G154DUD	MW-154	02/13/2001	PROFILE	310.00	310.00	210.00	210.00
G154DVA	MW-154	02/13/2001	PROFILE	323.00	323.00	223.00	223.00
G155DAA	MW-155	02/21/2001	PROFILE	34.00	34.00	5.30	5.30
G155DBA	MW-155	02/21/2001	PROFILE	40.00	40.00	11.30	11.30
G155DCA	MW-155	02/22/2001	PROFILE	50.00	50.00	21.30	21.30
G155DCD	MW-155	02/22/2001	PROFILE	50.00	50.00	21.30	21.30
G155DDA	MW-155	02/22/2001	PROFILE	60.00	60.00	31.30	31.30
G155DEA	MW-155	02/22/2001	PROFILE	70.00	70.00	41.30	41.30
G155DFA	MW-155	02/22/2001	PROFILE	80.00	80.00	51.30	51.30
G155DGA	MW-155	02/22/2001	PROFILE	90.00	90.00	61.30	61.30
G155DHA	MW-155	02/22/2001	PROFILE	100.00	100.00	71.30	71.30
G155DIA	MW-155	02/22/2001	PROFILE	110.00	110.00	81.30	81.30
G155DJA	MW-155	02/22/2001	PROFILE	120.00	120.00	91.30	91.30
G155DKA	MW-155	02/22/2001	PROFILE	130.00	130.00	101.30	101.30
G155DLA	MW-155	02/22/2001	PROFILE	140.00	140.00	111.30	111.30
G155DMA	MW-155	02/22/2001	PROFILE	150.00	150.00	121.30	121.30
G155DMD	MW-155	02/22/2001	PROFILE	150.00	150.00	121.30	121.30
G155DNA	MW-155	02/22/2001	PROFILE	160.00	160.00	131.30	131.30
G155DOA	MW-155	02/22/2001	PROFILE	170.00	170.00	141.30	141.30
G155DPA	MW-155	02/28/2001	PROFILE	180.00	180.00	151.30	151.30
G155DQA	MW-155	02/28/2001	PROFILE	190.00	190.00	161.30	161.30
G155DRA	MW-155	02/28/2001	PROFILE	200.00	200.00	171.30	171.30
G155DSA	MW-155	02/28/2001	PROFILE	210.00	210.00	181.30	181.30
G155DTA	MW-155	02/28/2001	PROFILE	220.00	220.00	191.30	191.30
G155DUA	MW-155	02/28/2001	PROFILE	230.00	230.00	201.30	201.30
G155DUD	MW-155	02/28/2001	PROFILE	230.00	230.00	201.30	201.30
G155DVA	MW-155	02/28/2001	PROFILE	240.00	240.00	211.30	211.30
G155DWA	MW-155	02/28/2001	PROFILE	249.00	249.00	220.30	220.30
G156DAA	MW-156	02/28/2001	PROFILE	88.50	88.50	8.00	8.00
G156DBA	MW-156	02/28/2001	PROFILE	90.00	90.00	10.50	10.50
G156DCA	MW-156	02/28/2001	PROFILE	100.00	100.00	20.50	20.50
GSB023SAA	B-23	02/21/2001	PROFILE	36.00	36.00	1.75	1.75
AB0023AAA	B-23	02/21/2001	SOIL BORING	5.00	9.00	0.00	1.75
AB0023AAA	B-23	02/21/2001	SOIL BORING	5.00	9.00	0.00	10.00
AB0023BAA	B-23	02/21/2001	SOIL BORING	10.00	14.00	0.00	1.75
AB0023BAA	B-23	02/21/2001	SOIL BORING	10.00	14.00	0.00	10.00
AB0023CAA	B-23	02/21/2001	SOIL BORING	15.00	17.00	0.00	1.75
AB0023CAA	B-23	02/21/2001	SOIL BORING	15.00	17.00	0.00	10.00
4.C.1.00577.1.0	C.1.00577.O	02/05/2001	SOIL BRUSHING	1.75	2.00		

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SAMPLING PROGRESS
2/1/2001-2/28/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
4.C.1.00577.1.D	C.1.00577.O	02/05/2001	SOIL BRUSHING	1.75	2.00		
4.C.1.00582.1.0	C.1.00582.O	02/05/2001	SOIL BRUSHING	1.50	1.75		
4.C.1.00583.1.0	C.1.00583.O	02/05/2001	SOIL BRUSHING	1.00	1.25		
4.C.1.00585.1.0	C.1.00585.O	02/05/2001	SOIL BRUSHING	1.00	1.25		
4.C.1.00613.1.0	C.1.00613.O	02/14/2001	SOIL BRUSHING	0.25	0.50		
4.C.1.00614.1.0	C.1.00614.O	02/14/2001	SOIL BRUSHING	0.25	0.50		
4.C.1.00615.1.0	C.1.00615.O	02/14/2001	SOIL BRUSHING	3.00	3.25		
4.C.1.00616.1.0	C.1.00616.O	02/22/2001	SOIL BRUSHING	0.75	1.00		
4.C.1.00618.1.0	C.1.00618.O	02/22/2001	SOIL BRUSHING	1.50	1.75		
4.C.1.00621.1.0	C.1.00621.O	02/22/2001	SOIL BRUSHING	0.25	0.50		
4.C.1.00622.1.0	C.1.00622.O	02/22/2001	SOIL BRUSHING	0.75	1.00		
4.C.1.00624.1.0	C.1.00624.O	02/22/2001	SOIL BRUSHING	0.50	0.75		
4.C.2.00519.1.0	C.2.00519.O	02/26/2001	SOIL BRUSHING	0.75	1.00		
4.C.2.00520.1.0	C.2.00520.O	02/26/2001	SOIL BRUSHING	1.25	1.50		
4.C.2.00522.1.0	C.2.00522.O	02/27/2001	SOIL BRUSHING	0.25	0.50		
4.D.1.00576.1.0	D.1.00576.O	02/05/2001	SOIL BRUSHING	1.00	1.25		
4.D.1.00580.1.0	D.1.00580.O	02/05/2001	SOIL BRUSHING	0.50	0.75		
4.D.1.00581.1.0	D.1.00581.O	02/05/2001	SOIL BRUSHING	1.00	1.25		
4.D.1.00584.1.0	D.1.00584.O	02/05/2001	SOIL BRUSHING	0.25	0.50		
4.D.1.00617.1.0	D.1.00617.O	02/22/2001	SOIL BRUSHING	1.50	1.75		
4.D.1.00619.1.0	D.1.00619.O	02/22/2001	SOIL BRUSHING	0.75	1.00		
4.D.1.00620.1.0	D.1.00620.O	02/22/2001	SOIL BRUSHING	1.00	1.25		
4.D.2.00521.1.0	D.2.00521.O	02/26/2001	SOIL BRUSHING	0.50	0.75		
6.C.1.00586.1.0	C.1.00586.O	02/08/2001	SOIL BRUSHING	2.25	2.50		
6.C.1.00586.1.D	C.1.00586.O	02/08/2001	SOIL BRUSHING	2.25	2.50		
6.C.1.00587.1.0	C.1.00587.O	02/08/2001	SOIL BRUSHING	2.00	2.25		
6.C.1.00588.1.0	C.1.00588.O	02/08/2001	SOIL BRUSHING	2.25	2.50		
6.C.1.00589.1.0	C.1.00589.O	02/08/2001	SOIL BRUSHING	2.50	2.75		
6.C.1.00591.1.0	C.1.00591.O	02/08/2001	SOIL BRUSHING	2.00	2.25		
6.C.1.00593.1.0	C.1.00593.O	02/08/2001	SOIL BRUSHING	2.00	2.25		
6.C.1.00594.1.0	C.1.00594.O	02/08/2001	SOIL BRUSHING	2.50	2.75		
6.C.1.00596.1.0	C.1.00596.O	02/08/2001	SOIL BRUSHING	1.00	1.25		
6.C.1.00597.1.0	C.1.00597.O	02/08/2001	SOIL BRUSHING	1.00	1.25		
6.C.1.00602.1.0	C.1.00602.O	02/08/2001	SOIL BRUSHING	1.50	1.75		
6.C.1.00602.1.D	C.1.00602.O	02/08/2001	SOIL BRUSHING	1.50	1.75		
6.C.1.00603.1.0	C.1.00603.O	02/08/2001	SOIL BRUSHING	1.00	1.25		
6.C.1.00604.1.0	C.1.00604.O	02/08/2001	SOIL BRUSHING	1.50	1.75		
6.C.1.00606.1.0	C.1.00606.O	02/08/2001	SOIL BRUSHING	3.00	3.25		
6.C.1.00607.1.0	C.1.00607.O	02/08/2001	SOIL BRUSHING	2.50	2.75		
6.C.1.00608.1.0	C.1.00608.O	02/08/2001	SOIL BRUSHING	2.00	2.25		
6.C.1.00611.1.0	C.1.00611.O	02/12/2001	SOIL BRUSHING	2.00	2.25		
6.C.1.00612.1.0	C.1.00612.O	02/12/2001	SOIL BRUSHING	1.75	2.00		
6.C.1.00625.1.0	C.1.00625.O	02/22/2001	SOIL BRUSHING	2.00	2.25		
6.C.1.00626.1.0	C.1.00626.O	02/22/2001	SOIL BRUSHING	1.50	1.75		
6.C.1.00627.1.0	C.1.00627.O	02/22/2001	SOIL BRUSHING				
6.C.2.00516.1.0	C.2.00516.O	02/22/2001	SOIL BRUSHING	0.75	1.00		
6.C.2.00517.1.0	C.2.00517.O	02/22/2001	SOIL BRUSHING	0.50	0.75		
6.D.2.00518.1.0	D.2.00518.O	02/22/2001	SOIL BRUSHING	0.50	0.75		
2.F.0.00001.3.0	Test Plot 2 Lift 3 Grid	02/05/2001	SOIL GRID	6.00	9.00		

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SAMPLING PROGRESS
2/1/2001-2/28/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
2.F.0.00001.4.0	Test Plot 2 Lift 4 Grid	02/07/2001	SOIL GRID	9.00	12.00		
2.F.0.00002.3.0	Test Plot 2 Lift 3 Grid	02/05/2001	SOIL GRID	6.00	9.00		
2.F.0.00002.3.D	Test Plot 2 Lift 3 Grid	02/05/2001	SOIL GRID	6.00	9.00		
2.F.0.00002.4.0	Test Plot 2 Lift 4 Grid	02/07/2001	SOIL GRID	9.00	12.00		
2.F.0.00003.3.0	Test Plot 2 Lift 3 Grid	02/06/2001	SOIL GRID	6.00	9.00		
2.F.0.00003.4.0	Test Plot 2 Lift 4 Grid	02/07/2001	SOIL GRID	9.00	12.00		
2.F.0.00004.3.0	Test Plot 2 Lift 3 Grid	02/06/2001	SOIL GRID	6.00	9.00		
2.F.0.00004.4.0	Test Plot 2 Lift 4 Grid	02/07/2001	SOIL GRID	9.00	12.00		
2.F.0.00005.3.0	Test Plot 2 Lift 3 Grid	02/06/2001	SOIL GRID	6.00	9.00		
2.F.0.00005.4.0	Test Plot 2 Lift 4 Grid	02/07/2001	SOIL GRID	9.00	12.00		
2.F.0.00006.3.0	Test Plot 2 Lift 3 Grid	02/06/2001	SOIL GRID	6.00	9.00		
2.F.0.00006.4.0	Test Plot 2 Lift 4 Grid	02/07/2001	SOIL GRID	9.00	12.00		
2.F.0.00007.3.0	Test Plot 2 Lift 3 Grid	02/06/2001	SOIL GRID	6.00	9.00		
2.F.0.00007.4.0	Test Plot 2 Lift 4 Grid	02/07/2001	SOIL GRID	9.00	12.00		
2.F.0.00008.3.0	Test Plot 2 Lift 3 Grid	02/06/2001	SOIL GRID	6.00	9.00		
2.F.0.00008.4.0	Test Plot 2 Lift 4 Grid	02/07/2001	SOIL GRID	9.00	12.00		
2.F.0.00009.3.0	Test Plot 2 Lift 3 Grid	02/06/2001	SOIL GRID	6.00	9.00		
2.F.0.00009.4.0	Test Plot 2 Lift 4 Grid	02/07/2001	SOIL GRID	9.00	12.00		
2.F.0.00010.3.0	Test Plot 2 Lift 3 Grid	02/06/2001	SOIL GRID	6.00	9.00		
2.F.0.00010.4.0	Test Plot 2 Lift 4 Grid	02/07/2001	SOIL GRID	9.00	12.00		
2.F.0.00010.4.D	Test Plot 2 Lift 4 Grid	02/07/2001	SOIL GRID	9.00	12.00		
2.F.0.00011.3.0	Test Plot 2 Lift 3 Grid	02/06/2001	SOIL GRID	6.00	9.00		
2.F.0.00012.3.0	Test Plot 2 Lift 3 Grid	02/06/2001	SOIL GRID	6.00	9.00		
2.F.0.00012.3.D	Test Plot 2 Lift 3 Grid	02/06/2001	SOIL GRID	6.00	9.00		
4.C.1.00572.1.0	C.1.00572.O	02/01/2001	SOIL GRID	2.00	2.25		
4.C.1.00573.1.0	C.1.00573.O	02/01/2001	SOIL GRID	2.00	2.25		
4.C.1.00575.1.0	C.1.00575.O	02/01/2001	SOIL GRID	1.50	1.75		
H.0.00006.0.0		02/28/2001	SOIL GRID	0.00	1.00		
H.0.00007.0.0		02/28/2001	SOIL GRID	0.00	1.00		
H.0.00008.0.0		02/28/2001	SOIL GRID	0.00	1.00		
H.0.00009.0.0		02/28/2001	SOIL GRID	1.00	4.00		
H.0.00010.0.0		02/28/2001	SOIL GRID	0.00	1.00		
H.0.00011.0.0		02/28/2001	SOIL GRID	1.00	4.00		
H.0.00012.0.0		02/28/2001	SOIL GRID	0.00	1.00		
H.0.00013.0.0		02/28/2001	SOIL GRID	1.00	4.00		
H.0.00014.0.0		02/28/2001	SOIL GRID	0.00	1.00		
H.0.00015.0.0		02/28/2001	SOIL GRID	1.00	4.00		
H.0.00016.0.0		02/28/2001	SOIL GRID	0.00	0.50		
H.0.00017.0.0		02/28/2001	SOIL GRID	0.00	0.50		
H.0.00018.0.0		02/28/2001	SOIL GRID	0.00	0.50		
H.0.00019.0.0		02/28/2001	SOIL GRID	0.00	0.50		
H.0.00020.0.0		02/28/2001	SOIL GRID	0.00	1.00		
H.0.00021.0.0		02/28/2001	SOIL GRID	0.00	1.00		
HDA021201AA	HDA021201AA	02/16/2001	SOIL GRID	0.00	0.25		
H.0.00001.0.0		02/27/2001	STEEL	0.00	0.00		
H.0.00002.0.0		02/27/2001	STEEL	0.00	0.00		
H.0.00003.0.0		02/27/2001	STEEL	0.00	0.00		
H.0.00004.0.0		02/27/2001	STEEL	0.00	0.00		
H.0.00005.0.0		02/27/2001	STEEL	0.00	0.00		

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
SED = Sample End Depth, measured in feet bgs
BWTS = Depth below water table, start depth, measured in feet
BWTE = Depth below water table, end depth, measured in feet

TABLE 2
SAMPLING PROGRESS
2/1/2001-2/28/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
4.C.1.00572.2.0	C.1.00572.O	02/01/2001	WIPE	2.00	2.25		
4.C.1.00572.3.0	C.1.00572.O	02/01/2001	WIPE	2.00	2.25		
4.C.1.00573.2.0	C.1.00573.O	02/01/2001	WIPE	2.00	2.25		
4.C.1.00573.3.0	C.1.00573.O	02/01/2001	WIPE	2.00	2.25		
4.C.1.00575.2.0	C.1.00575.O	02/01/2001	WIPE	1.50	1.75		
4.C.1.00575.3.0	C.1.00575.O	02/01/2001	WIPE	1.50	1.75		

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
SED = Sample End Depth, measured in feet bgs
BWTS = Depth below water table, start depth, measured in feet
BWTE = Depth below water table, end depth, measured in feet

TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH FEBRUARY 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
ECMWSNP02	ECMWSNP02D	09/13/1999	504	1,2-DIBROMOETHANE (ETHYI	110.00		NG/L	79.90	84.90	50.00	X
MW-41	W41M1A	05/18/2000	8151	PENTACHLOROPHENOL	1.80	J	UG/L	110.00	120.00	1.00	X
58MW0009E	WC9EXA	10/02/1997	8330	HEXAHYDRO-1,3,5-TRINITRO	7.70		UG/L	21.00	26.00	2.00	X
MW-1	W01SSA	09/30/1997	8330	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	0.00	10.00	2.00	X
MW-1	W01SSD	09/30/1997	8330	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	0.00	10.00	2.00	X
MW-1	W01MMA	09/29/1997	8330	HEXAHYDRO-1,3,5-TRINITRO	4.60		UG/L	40.00	45.00	2.00	X
MW-25	W25SSA	10/16/1997	8330	HEXAHYDRO-1,3,5-TRINITRO	2.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	03/05/1998	8330N	2,4,6-TRINITROTOLUENE	10.00	J	UG/L	0.00	10.00	2.00	X
MW-19	W19S2A	07/20/1998	8330N	2,4,6-TRINITROTOLUENE	16.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2D	07/20/1998	8330N	2,4,6-TRINITROTOLUENE	16.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	02/12/1999	8330N	2,4,6-TRINITROTOLUENE	7.20	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	09/10/1999	8330N	2,4,6-TRINITROTOLUENE	2.60	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/12/2000	8330N	2,4,6-TRINITROTOLUENE	3.70	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/23/2000	8330N	2,4,6-TRINITROTOLUENE	3.90	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	08/08/2000	8330N	2,4,6-TRINITROTOLUENE	2.00	J	UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	05/15/2000	8330N	2,4,6-TRINITROTOLUENE	3.30		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	08/09/2000	8330N	2,4,6-TRINITROTOLUENE	3.90	J	UG/L	0.00	10.00	2.00	X
MW-31	W31DDA	08/09/2000	8330N	2,4,6-TRINITROTOLUENE	3.90	J	UG/L	49.00	54.00	2.00	X
58MW0002	WC2XXA	02/26/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	19.00		UG/L	4.00	9.00	2.00	X
58MW0002	WC2XXA	01/14/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	20.00		UG/L	4.00	9.00	2.00	X
58MW0002	WC2XXA	10/08/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.80		UG/L	4.00	9.00	2.00	X
58MW0009E	WC9EXA	01/26/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	17.00		UG/L	21.00	26.00	2.00	X
58MW0009E	WC9EXA	09/28/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	21.00	26.00	2.00	X
58MW0009E	WC9EXD	09/28/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	21.00	26.00	2.00	X
90MW0022	WF22XA	01/26/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.80		UG/L	80.00	85.00	2.00	X
90MW0022	WF22XA	02/16/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.40		UG/L	80.00	85.00	2.00	X
90MW0022	WF22XA	09/30/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20		UG/L	80.00	85.00	2.00	X
90WT0013	WF13XA	01/16/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20	J	UG/L	2.00	12.00	2.00	X
MW-1	W01SSA	02/22/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	09/07/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	05/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	07/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.80	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20		UG/L	0.00	10.00	2.00	X
MW-1	W01M2A	03/01/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	40.00	45.00	2.00	X
MW-1	W01M2A	05/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.90		UG/L	40.00	45.00	2.00	X

BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET
BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET
MCL/HA = EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT OR LIFETIME)
>MCL/HA = EQUALS OR EXCEEDS EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT, OR LIFETIME)

TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH FEBRUARY 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-1	W01M2A	07/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.40	J	UG/L	40.00	45.00	2.00	X
MW-1	W01M2A	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.10		UG/L	40.00	45.00	2.00	X
MW-1	W01M2D	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.00		UG/L	40.00	45.00	2.00	X
MW-100	W100M1A	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.30		UG/L	44.48	54.48	2.00	X
MW-100	W100M1D	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.30		UG/L	44.48	54.48	2.00	X
MW-100	W100M1A	10/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.90		UG/L	44.48	54.48	2.00	X
MW-101	W101M1A	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	25.38	35.38	2.00	X
MW-105	W105M1A	06/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.90		UG/L	75.08	85.08	2.00	X
MW-107	W107M2A	06/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.00		UG/L	3.11	13.11	2.00	X
MW-113	W113M2A	09/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	9.20		UG/L	47.14	57.14	2.00	X
MW-132	W132SSA	11/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	03/05/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	190.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2A	07/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	260.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2D	07/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	260.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	02/12/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	250.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	09/10/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	240.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/23/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	160.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	08/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	290.00		UG/L	0.00	10.00	2.00	X
MW-2	W02M2A	01/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	13.00		UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	02/03/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.80		UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	09/03/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.80		UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	05/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.30	J	UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	31.00	36.00	2.00	X
MW-2	W02M1A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	73.00	78.00	2.00	X
MW-23	W23M1A	11/07/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.30	J	UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	03/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.40		UG/L	99.00	109.00	2.00	X
MW-23	W23M1D	03/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.70		UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	09/13/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.10		UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	05/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.60	J	UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	08/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.30		UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	12/04/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.00		UG/L	99.00	109.00	2.00	X
MW-23	W23M1D	12/04/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.20		UG/L	99.00	109.00	2.00	X
MW-25	W25SSA	03/17/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	0.00	10.00	2.00	X

BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET
BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET
MCL/HA = EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT OR LIFETIME)
>MCL/HA = EQUALS OR EXCEEDS EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT, OR LIFETIME)

TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH FEBRUARY 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-31	W31SSA	07/15/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	64.00		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	02/01/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	210.00		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	09/15/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	50.00		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	05/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	110.00		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	140.00		UG/L	0.00	10.00	2.00	X
MW-31	W31MMA	07/15/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	280.00		UG/L	29.00	39.00	2.00	X
MW-31	W31MMA	02/02/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	370.00		UG/L	29.00	39.00	2.00	X
MW-31	W31MMA	09/15/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	29.00	39.00	2.00	X
MW-31	W31M1A	05/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	19.00		UG/L	29.00	39.00	2.00	X
MW-31	W31M1A	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	14.00		UG/L	29.00	39.00	2.00	X
MW-31	W31DDA	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00		UG/L	49.00	54.00	2.00	X
MW-34	W34M2A	02/19/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.20		UG/L	55.00	65.00	2.00	X
MW-34	W34M2A	05/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.70		UG/L	55.00	65.00	2.00	X
MW-34	W34M2A	08/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	55.00	65.00	2.00	X
MW-34	W34M2A	11/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	55.00	65.00	2.00	X
MW-34	W34M1A	05/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	75.00	85.00	2.00	X
MW-34	W34M1A	08/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.00		UG/L	75.00	85.00	2.00	X
MW-34	W34M1A	11/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.50		UG/L	75.00	85.00	2.00	X
MW-37	W37M2A	09/29/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.90		UG/L	28.00	38.00	2.00	X
MW-37	W37M2A	12/29/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.60		UG/L	28.00	38.00	2.00	X
MW-37	W37M2A	03/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	28.00	38.00	2.00	X
MW-37	W37M2A	08/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80	J	UG/L	28.00	38.00	2.00	X
MW-37	W37M2A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	28.00	38.00	2.00	X
MW-37	W37M2D	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	28.00	38.00	2.00	X
MW-38	W38M3A	05/06/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	08/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	11/10/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.00		UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	05/16/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.90	J	UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	08/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	11/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	53.00	63.00	2.00	X
MW-40	W40M1A	09/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80		UG/L	15.50	25.50	2.00	X
MW-40	W40M1D	09/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	15.50	25.50	2.00	X
MW-40	W40M1A	12/30/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.00	J	UG/L	15.50	25.50	2.00	X
MW-40	W40M1A	04/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.00	J	UG/L	15.50	25.50	2.00	X
MW-40	W40M1A	09/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40	J	UG/L	15.50	25.50	2.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH FEBRUARY 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-40	W40M1A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	15.50	25.50	2.00	X
MW-58	W58SSA	11/23/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.70	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	02/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.00		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	05/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.40	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	09/05/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.10		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	07/09/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	50.00	J	UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	09/16/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	63.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	11/02/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	57.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	06/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	44.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	09/05/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	11/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	28.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSD	11/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	0.00	10.00	2.00	X
MW-76	W76SSA	01/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	0.00	10.00	2.00	X
MW-76	W76SSA	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.50	J	UG/L	0.00	10.00	2.00	X
MW-76	W76SSA	08/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	0.00	10.00	2.00	X
MW-76	W76M2A	01/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	31.00		UG/L	35.00	45.00	2.00	X
MW-76	W76M2D	01/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	35.00	45.00	2.00	X
MW-76	W76M2A	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	37.00	J	UG/L	35.00	45.00	2.00	X
MW-76	W76M2A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	31.00		UG/L	35.00	45.00	2.00	X
MW-77	W77M2A	01/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00		UG/L	35.00	45.00	2.00	X
MW-77	W77M2A	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	100.00	J	UG/L	35.00	45.00	2.00	X
MW-77	W77M2A	08/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	97.00	J	UG/L	35.00	45.00	2.00	X
MW-85	W85M1A	05/22/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	18.39	28.39	2.00	X
MW-86	W86SSA	04/28/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50	J	UG/L	0.00	10.00	2.00	X
MW-87	W87M1A	04/28/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.50	J	UG/L	59.53	69.53	2.00	X
MW-87	W87M1A	09/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.00		UG/L	59.53	69.53	2.00	X
MW-88	W88M2A	05/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.00		UG/L	69.60	79.60	2.00	X
MW-88	W88M2A	09/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.70		UG/L	69.60	79.60	2.00	X
MW-89	W89M2A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.30		UG/L	68.95	78.95	2.00	X
MW-89	W89M2A	09/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.30		UG/L	68.95	78.95	2.00	X
MW-90	W90SSA	05/19/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.40	J	UG/L	0.00	10.00	2.00	X
MW-91	W91SSA	05/19/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	12.00		UG/L	0.00	10.00	2.00	X
MW-91	W91M1A	05/22/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	43.47	53.37	2.00	X
MW-93	W93M2A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20		UG/L	14.50	24.50	2.00	X
MW-93	W93M1A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20	J	UG/L	54.90	64.90	2.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH FEBRUARY 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-95	W95M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	74.99	84.99	2.00	X
MW-98	W98M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.10		UG/L	25.06	35.06	2.00	X
MW-99	W99M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.90		UG/L	55.00	65.00	2.00	X
MW-99	W99M1D	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.90		UG/L	55.00	65.00	2.00	X
MW-99	W99M1A	09/29/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.00		UG/L	55.00	65.00	2.00	X
ASPWELL	ASPWELL	07/20/1999	E200.8	LEAD	53.00		UG/L	0.00	0.00	15.00	X
MW-16	W16SSA	11/17/1997	IM40	SODIUM	20,900.00		UG/L	0.00	10.00	20,000.00	X
MW-16	W16SSL	11/17/1997	IM40	SODIUM	20,400.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02DDA	11/19/1997	IM40	SODIUM	21,500.00		UG/L	287.00	295.00	20,000.00	X
MW-2	W02DDL	11/19/1997	IM40	SODIUM	22,600.00		UG/L	287.00	295.00	20,000.00	X
MW-21	W21SSA	10/24/1997	IM40	SODIUM	24,000.00		UG/L	0.00	10.00	20,000.00	X
MW-21	W21SSL	10/24/1997	IM40	SODIUM	24,200.00		UG/L	0.00	10.00	20,000.00	X
MW-21	W21SSA	10/24/1997	IM40	THALLIUM	6.90	J	UG/L	0.00	10.00	2.00	X
95-15	W9515A	10/17/1997	IM40	ZINC	7,210.00		UG/L	80.00	92.00	2,000.00	X
95-15	W9515L	10/17/1997	IM40	ZINC	4,620.00		UG/L	80.00	92.00	2,000.00	X
LRWS3-1	WL31XA	10/21/1997	IM40	ZINC	2,480.00		UG/L	102.00	117.00	2,000.00	X
LRWS3-1	WL31XL	10/21/1997	IM40	ZINC	2,410.00		UG/L	102.00	117.00	2,000.00	X
LRWS4-1	WL41XA	11/24/1997	IM40	ZINC	3,220.00		UG/L	66.00	91.00	2,000.00	X
LRWS4-1	WL41XL	11/24/1997	IM40	ZINC	3,060.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51DL	11/25/1997	IM40	ZINC	4,410.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XA	11/25/1997	IM40	ZINC	4,510.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XD	11/25/1997	IM40	ZINC	4,390.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XL	11/25/1997	IM40	ZINC	3,900.00		UG/L	66.00	91.00	2,000.00	X
LRWS6-1	WL61XA	11/17/1997	IM40	ZINC	3,480.00		UG/L	184.00	199.00	2,000.00	X
LRWS6-1	WL61XL	11/17/1997	IM40	ZINC	2,600.00		UG/L	184.00	199.00	2,000.00	X
LRWS7-1	WL71XA	11/21/1997	IM40	ZINC	4,320.00		UG/L	186.00	201.00	2,000.00	X
LRWS7-1	WL71XL	11/21/1997	IM40	ZINC	3,750.00		UG/L	186.00	201.00	2,000.00	X
MW-1	W01SSA	09/07/1999	IM40MB	ANTIMONY	6.70	J	UG/L	0.00	10.00	6.00	X
MW-3	W03DDL	03/06/1998	IM40MB	ANTIMONY	13.80	J	UG/L	218.00	223.00	6.00	X
MW-34	W34M2A	08/16/1999	IM40MB	ANTIMONY	6.60	J	UG/L	55.00	65.00	6.00	X
MW-35	W35SSA	08/19/1999	IM40MB	ANTIMONY	6.90	J	UG/L	0.00	10.00	6.00	X
MW-35	W35SSD	08/19/1999	IM40MB	ANTIMONY	13.80	J	UG/L	0.00	10.00	6.00	X
MW-36	W36SSA	08/17/1999	IM40MB	ANTIMONY	6.70	J	UG/L	0.00	10.00	6.00	X
MW-38	W38SSA	08/18/1999	IM40MB	ANTIMONY	7.40		UG/L	0.00	10.00	6.00	X
MW-38	W38M3A	08/18/1999	IM40MB	ANTIMONY	6.60	J	UG/L	53.00	63.00	6.00	X

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1997 THROUGH FEBRUARY 2001

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MW-38	W38DDA	08/17/1999	IM40MB	ANTIMONY	6.90	J	UG/L	125.00	135.00	6.00	X
MW-39	W39M1A	08/18/1999	IM40MB	ANTIMONY	7.50		UG/L	87.00	97.00	6.00	X
MW-50	W50M1A	05/15/2000	IM40MB	ANTIMONY	9.50		UG/L	90.00	100.00	6.00	X
PPAWSMW-3	PPAWSMW-3	08/12/1999	IM40MB	ANTIMONY	6.00	J	UG/L	0.00	10.00	6.00	X
MW-7	W07M1A	09/07/1999	IM40MB	ARSENIC	52.80		UG/L	67.00	72.00	50.00	X
MW-52	W52M3L	08/27/1999	IM40MB	CADMIUM	12.20		UG/L	26.00	36.00	5.00	X
MW-7	W07M1A	09/07/1999	IM40MB	CHROMIUM, TOTAL	114.00		UG/L	67.00	72.00	100.00	X
MW-2	W02SSA	02/23/1998	IM40MB	LEAD	20.10		UG/L	0.00	10.00	15.00	X
MW-7	W07M1A	09/07/1999	IM40MB	LEAD	40.20		UG/L	67.00	72.00	15.00	X
MW-7	W07M1D	09/07/1999	IM40MB	LEAD	18.30		UG/L	67.00	72.00	15.00	X
MW-13	W13SSA	01/27/1998	IM40MB	MOLYBDENUM	11.20		UG/L	0.00	10.00	10.00	X
MW-13	W13SSL	01/27/1998	IM40MB	MOLYBDENUM	10.40	J	UG/L	0.00	10.00	10.00	X
MW-13	W13DDA	01/26/1998	IM40MB	MOLYBDENUM	26.60		UG/L	140.00	145.00	10.00	X
MW-13	W13DDL	01/26/1998	IM40MB	MOLYBDENUM	30.40		UG/L	140.00	145.00	10.00	X
MW-13	W13DDA	03/11/1999	IM40MB	MOLYBDENUM	11.00		UG/L	140.00	145.00	10.00	X
MW-13	W13DDD	03/11/1999	IM40MB	MOLYBDENUM	12.10	J	UG/L	140.00	145.00	10.00	X
MW-13	W13DDA	09/09/1999	IM40MB	MOLYBDENUM	17.30		UG/L	140.00	145.00	10.00	X
MW-13	W13DDA	05/17/2000	IM40MB	MOLYBDENUM	17.00		UG/L	140.00	145.00	10.00	X
MW-13	W13DDD	05/17/2000	IM40MB	MOLYBDENUM	16.80		UG/L	140.00	145.00	10.00	X
MW-13	W13DDA	12/15/2000	IM40MB	MOLYBDENUM	11.70		UG/L	140.00	145.00	10.00	X
MW-16	W16SSA	03/10/1999	IM40MB	MOLYBDENUM	21.00	J	UG/L	0.00	10.00	10.00	X
MW-16	W16DDA	03/09/1999	IM40MB	MOLYBDENUM	22.20		UG/L	108.00	113.00	10.00	X
MW-16	W16DDD	03/09/1999	IM40MB	MOLYBDENUM	23.20		UG/L	108.00	113.00	10.00	X
MW-16	W16DDA	09/09/1999	IM40MB	MOLYBDENUM	18.00	J	UG/L	108.00	113.00	10.00	X
MW-16	W16DDA	05/17/2000	IM40MB	MOLYBDENUM	12.20		UG/L	108.00	113.00	10.00	X
MW-16	W16DDA	08/03/2000	IM40MB	MOLYBDENUM	12.40		UG/L	108.00	113.00	10.00	X
MW-16	W16DDA	11/16/2000	IM40MB	MOLYBDENUM	16.80		UG/L	108.00	113.00	10.00	X
MW-17	W17M1L	05/18/1999	IM40MB	MOLYBDENUM	12.60		UG/L	97.00	107.00	10.00	X
MW-2	W02SSA	02/23/1998	IM40MB	MOLYBDENUM	72.10		UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	02/23/1998	IM40MB	MOLYBDENUM	63.30		UG/L	0.00	10.00	10.00	X
MW-2	W02SSA	02/01/1999	IM40MB	MOLYBDENUM	26.10	J	UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	02/01/1999	IM40MB	MOLYBDENUM	34.00		UG/L	0.00	10.00	10.00	X
MW-2	W02SSA	09/02/1999	IM40MB	MOLYBDENUM	29.00		UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	09/02/1999	IM40MB	MOLYBDENUM	27.10		UG/L	0.00	10.00	10.00	X
MW-2	W02DDA	02/02/1999	IM40MB	MOLYBDENUM	25.60		UG/L	287.00	295.00	10.00	X

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MW-2	W02DDL	02/02/1999	IM40MB	MOLYBDENUM	26.30	J	UG/L	287.00	295.00	10.00	X
MW-2	W02DDA	09/03/1999	IM40MB	MOLYBDENUM	12.80		UG/L	287.00	295.00	10.00	X
MW-45	W45SSA	05/29/2000	IM40MB	MOLYBDENUM	10.40		UG/L	0.00	10.00	10.00	X
MW-46	W46M2A	03/30/1999	IM40MB	MOLYBDENUM	48.90		UG/L	55.00	65.00	10.00	X
MW-46	W46M2L	03/30/1999	IM40MB	MOLYBDENUM	51.00		UG/L	55.00	65.00	10.00	X
MW-46	W46M2A	08/24/1999	IM40MB	MOLYBDENUM	17.40		UG/L	55.00	65.00	10.00	X
MW-46	W46M1A	03/29/1999	IM40MB	MOLYBDENUM	32.80		UG/L	102.00	112.00	10.00	X
MW-46	W46DDA	04/01/1999	IM40MB	MOLYBDENUM	17.20		UG/L	135.00	145.00	10.00	X
MW-47	W47M3A	03/29/1999	IM40MB	MOLYBDENUM	43.10		UG/L	21.00	31.00	10.00	X
MW-47	W47M3L	03/29/1999	IM40MB	MOLYBDENUM	40.50		UG/L	21.00	31.00	10.00	X
MW-47	W47M2A	03/26/1999	IM40MB	MOLYBDENUM	11.00		UG/L	38.00	48.00	10.00	X
MW-48	W48M1A	11/23/1999	IM40MB	MOLYBDENUM	17.90		UG/L	90.00	100.00	10.00	X
MW-5	W05DDA	02/13/1998	IM40MB	MOLYBDENUM	28.30		UG/L	220.00	225.00	10.00	X
MW-5	W05DDL	02/13/1998	IM40MB	MOLYBDENUM	26.60		UG/L	220.00	225.00	10.00	X
MW-50	W50M2A	04/26/1999	IM40MB	MOLYBDENUM	20.60		UG/L	59.00	69.00	10.00	X
MW-50	W50M1A	04/27/1999	IM40MB	MOLYBDENUM	11.80		UG/L	90.00	100.00	10.00	X
MW-52	W52M3A	04/07/1999	IM40MB	MOLYBDENUM	72.60		UG/L	26.00	36.00	10.00	X
MW-52	W52M3L	04/07/1999	IM40MB	MOLYBDENUM	67.60		UG/L	26.00	36.00	10.00	X
MW-52	W52M3A	08/27/1999	IM40MB	MOLYBDENUM	23.40		UG/L	26.00	36.00	10.00	X
MW-52	W52M3L	08/27/1999	IM40MB	MOLYBDENUM	23.10		UG/L	26.00	36.00	10.00	X
MW-52	W52M3L	11/08/1999	IM40MB	MOLYBDENUM	10.50		UG/L	26.00	36.00	10.00	X
MW-52	W52M2A	04/29/1999	IM40MB	MOLYBDENUM	15.30		UG/L	74.00	84.00	10.00	X
MW-52	W52M2L	04/29/1999	IM40MB	MOLYBDENUM	18.50		UG/L	74.00	84.00	10.00	X
MW-52	W52DDA	04/02/1999	IM40MB	MOLYBDENUM	51.10		UG/L	219.00	229.00	10.00	X
MW-52	W52DDL	04/02/1999	IM40MB	MOLYBDENUM	48.90		UG/L	219.00	229.00	10.00	X
MW-52	W52DDA	08/30/1999	IM40MB	MOLYBDENUM	28.30		UG/L	219.00	229.00	10.00	X
MW-52	W52DDL	08/30/1999	IM40MB	MOLYBDENUM	26.80		UG/L	219.00	229.00	10.00	X
MW-52	W52DDA	11/09/1999	IM40MB	MOLYBDENUM	22.70		UG/L	219.00	229.00	10.00	X
MW-52	W52DDA	05/22/2000	IM40MB	MOLYBDENUM	12.20		UG/L	219.00	229.00	10.00	X
MW-52	W52DDA	08/17/2000	IM40MB	MOLYBDENUM	10.10		UG/L	219.00	229.00	10.00	X
MW-53	W53SSA	02/17/1999	IM40MB	MOLYBDENUM	24.90		UG/L	0.00	10.00	10.00	X
MW-53	W53SSL	02/17/1999	IM40MB	MOLYBDENUM	27.60		UG/L	0.00	10.00	10.00	X
MW-53	W53M1A	05/03/1999	IM40MB	MOLYBDENUM	122.00		UG/L	100.00	110.00	10.00	X
MW-53	W53M1L	05/03/1999	IM40MB	MOLYBDENUM	132.00		UG/L	100.00	110.00	10.00	X
MW-53	W53M1A	08/30/1999	IM40MB	MOLYBDENUM	55.20		UG/L	100.00	110.00	10.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH FEBRUARY 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-53	W53M1L	08/30/1999	IM40MB	MOLYBDENUM	54.10		UG/L	100.00	110.00	10.00	X
MW-53	W53M1A	11/05/1999	IM40MB	MOLYBDENUM	41.20		UG/L	100.00	110.00	10.00	X
MW-53	W53M1L	11/05/1999	IM40MB	MOLYBDENUM	38.20		UG/L	100.00	110.00	10.00	X
MW-53	W53M1A	06/01/2000	IM40MB	MOLYBDENUM	10.30	J	UG/L	100.00	110.00	10.00	X
MW-53	W53DDA	02/18/1999	IM40MB	MOLYBDENUM	15.90		UG/L	157.00	167.00	10.00	X
MW-53	W53DDL	02/18/1999	IM40MB	MOLYBDENUM	17.40		UG/L	157.00	167.00	10.00	X
MW-53	W53DDA	08/30/1999	IM40MB	MOLYBDENUM	11.50		UG/L	157.00	167.00	10.00	X
MW-54	W54SSA	04/30/1999	IM40MB	MOLYBDENUM	56.70		UG/L	0.00	10.00	10.00	X
MW-54	W54SSL	04/30/1999	IM40MB	MOLYBDENUM	66.20		UG/L	0.00	10.00	10.00	X
MW-54	W54SSA	08/27/1999	IM40MB	MOLYBDENUM	61.40		UG/L	0.00	10.00	10.00	X
MW-54	W54SSA	11/08/1999	IM40MB	MOLYBDENUM	25.50		UG/L	0.00	10.00	10.00	X
MW-54	W54M2A	05/04/1999	IM40MB	MOLYBDENUM	11.20		UG/L	58.00	68.00	10.00	X
MW-54	W54M2L	05/04/1999	IM40MB	MOLYBDENUM	13.10		UG/L	58.00	68.00	10.00	X
MW-54	W54M2A	08/27/1999	IM40MB	MOLYBDENUM	43.70		UG/L	58.00	68.00	10.00	X
MW-54	W54M2L	08/27/1999	IM40MB	MOLYBDENUM	43.20		UG/L	58.00	68.00	10.00	X
MW-54	W54M2A	11/08/1999	IM40MB	MOLYBDENUM	14.50		UG/L	58.00	68.00	10.00	X
MW-54	W54M1A	04/30/1999	IM40MB	MOLYBDENUM	11.80		UG/L	80.00	90.00	10.00	X
MW-54	W54DDA	05/05/1999	IM40MB	MOLYBDENUM	17.50		UG/L	126.00	136.00	10.00	X
MW-55	W55SSA	05/17/1999	IM40MB	MOLYBDENUM	15.90		UG/L	0.00	10.00	10.00	X
MW-55	W55M2A	05/14/1999	IM40MB	MOLYBDENUM	21.80		UG/L	60.00	70.00	10.00	X
MW-55	W55M1A	05/13/1999	IM40MB	MOLYBDENUM	12.50		UG/L	90.00	100.00	10.00	X
MW-55	W55DDA	05/13/1999	IM40MB	MOLYBDENUM	22.60		UG/L	120.00	130.00	10.00	X
MW-55	W55DDA	08/30/1999	IM40MB	MOLYBDENUM	14.20		UG/L	120.00	130.00	10.00	X
MW-55	W55DDA	11/08/1999	IM40MB	MOLYBDENUM	11.00		UG/L	120.00	130.00	10.00	X
MW-57	W57SSA	12/21/1999	IM40MB	MOLYBDENUM	15.20		UG/L	0.00	10.00	10.00	X
MW-57	W57SSD	12/21/1999	IM40MB	MOLYBDENUM	16.30		UG/L	0.00	10.00	10.00	X
MW-57	W57SSA	03/22/2000	IM40MB	MOLYBDENUM	10.30	J	UG/L	0.00	10.00	10.00	X
MW-57	W57SSD	03/22/2000	IM40MB	MOLYBDENUM	10.10	J	UG/L	0.00	10.00	10.00	X
MW-57	W57M3A	12/13/1999	IM40MB	MOLYBDENUM	21.90		UG/L	30.00	40.00	10.00	X
MW-57	W57M2A	03/22/2000	IM40MB	MOLYBDENUM	10.80	J	UG/L	60.00	70.00	10.00	X
MW-57	W57DDA	12/13/1999	IM40MB	MOLYBDENUM	18.60		UG/L	125.00	135.00	10.00	X
MW-57	W57DDL	12/13/1999	IM40MB	MOLYBDENUM	17.80		UG/L	125.00	135.00	10.00	X
MW-63	W63SSA	09/21/1999	IM40MB	MOLYBDENUM	12.70		UG/L	0.00	10.00	10.00	X
MW-63	W63SSL	09/21/1999	IM40MB	MOLYBDENUM	11.10		UG/L	0.00	10.00	10.00	X
MW-7	W07M1A	09/07/1999	IM40MB	MOLYBDENUM	10.20		UG/L	67.00	72.00	10.00	X

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TABLE 3
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1997 THROUGH FEBRUARY 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-81	W81M1A	10/13/1999	IM40MB	MOLYBDENUM	24.30		UG/L	99.00	109.00	10.00	X
MW-81	W81M1L	10/13/1999	IM40MB	MOLYBDENUM	22.10		UG/L	99.00	109.00	10.00	X
MW-81	W81DDA	08/17/2000	IM40MB	MOLYBDENUM	10.10		UG/L	155.00	165.00	10.00	X
MW-82	W82DDA	10/13/1999	IM40MB	MOLYBDENUM	15.40		UG/L	96.00	106.00	10.00	X
MW-82	W82DDL	10/13/1999	IM40MB	MOLYBDENUM	14.40		UG/L	96.00	106.00	10.00	X
MW-83	W83DDA	10/12/1999	IM40MB	MOLYBDENUM	13.40		UG/L	105.00	115.00	10.00	X
15MW0002	15MW0002	04/08/1999	IM40MB	SODIUM	37,600.00		UG/L	0.00	10.00	20,000.00	X
90WT0010	90WT0010	06/05/2000	IM40MB	SODIUM	23,600.00		UG/L	2.00	12.00	20,000.00	X
90WT0010	90WT0010-L	06/05/2000	IM40MB	SODIUM	24,200.00		UG/L	2.00	12.00	20,000.00	X
90WT0015	90WT0015	04/23/1999	IM40MB	SODIUM	34,300.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSA	02/23/1998	IM40MB	SODIUM	27,200.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSL	02/23/1998	IM40MB	SODIUM	26,300.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSA	02/01/1999	IM40MB	SODIUM	20,300.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSL	02/01/1999	IM40MB	SODIUM	20,100.00		UG/L	0.00	10.00	20,000.00	X
MW-21	W21SSA	11/15/2000	IM40MB	SODIUM	22,500.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46SSA	08/25/1999	IM40MB	SODIUM	20,600.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46SSA	09/12/2000	IM40MB	SODIUM	31,300.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46SSA	11/17/2000	IM40MB	SODIUM	22,500.00	J	UG/L	0.00	10.00	20,000.00	X
MW-46	W46M2A	03/30/1999	IM40MB	SODIUM	23,300.00		UG/L	55.00	65.00	20,000.00	X
MW-46	W46M2L	03/30/1999	IM40MB	SODIUM	24,400.00		UG/L	55.00	65.00	20,000.00	X
MW-54	W54SSA	08/27/1999	IM40MB	SODIUM	33,300.00		UG/L	0.00	10.00	20,000.00	X
MW-57	W57M2A	12/21/1999	IM40MB	SODIUM	23,500.00		UG/L	60.00	70.00	20,000.00	X
MW-57	W57M2A	03/22/2000	IM40MB	SODIUM	24,500.00		UG/L	60.00	70.00	20,000.00	X
MW-57	W57M2A	06/30/2000	IM40MB	SODIUM	25,900.00		UG/L	60.00	70.00	20,000.00	X
MW-57	W57M2A	08/29/2000	IM40MB	SODIUM	23,200.00		UG/L	60.00	70.00	20,000.00	X
MW-57	W57M1A	12/14/1999	IM40MB	SODIUM	23,700.00		UG/L	100.00	110.00	20,000.00	X
MW-57	W57M1A	03/07/2000	IM40MB	SODIUM	20,900.00		UG/L	100.00	110.00	20,000.00	X
MW-57	W57M1A	07/05/2000	IM40MB	SODIUM	22,200.00		UG/L	100.00	110.00	20,000.00	X
MW-57	W57M1A	08/29/2000	IM40MB	SODIUM	20,100.00		UG/L	100.00	110.00	20,000.00	X
SDW261160	WG160L	01/07/1998	IM40MB	SODIUM	20,600.00		UG/L	0.00	0.00	20,000.00	X
SDW261160	WG160A	01/13/1999	IM40MB	SODIUM	27,200.00		UG/L	0.00	0.00	20,000.00	X
SDW261160	WG160L	01/13/1999	IM40MB	SODIUM	28,200.00		UG/L	0.00	0.00	20,000.00	X
03MW0006	03MW0006	04/15/1999	IM40MB	THALLIUM	2.60	J	UG/L	0.00	10.00	2.00	X
03MW0022A	03MW0022A	04/16/1999	IM40MB	THALLIUM	3.90		UG/L	71.00	76.00	2.00	X
03MW0027A	03MW0027A	04/14/1999	IM40MB	THALLIUM	2.00	J	UG/L	64.00	69.00	2.00	X

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1997 THROUGH FEBRUARY 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
11MW0004	11MW0004	04/16/1999	IM40MB	THALLIUM	2.30	J	UG/L	0.00	10.00	2.00	X
27MW0020Z	27MW0020Z	04/16/1999	IM40MB	THALLIUM	2.70	J	UG/L	98.00	103.00	2.00	X
90MW0038	90MW0038	04/21/1999	IM40MB	THALLIUM	4.40	J	UG/L	29.00	34.00	2.00	X
90WT0010	WF10XA	01/16/1998	IM40MB	THALLIUM	6.50	J	UG/L	2.00	12.00	2.00	X
LRWS1-4	WL14XA	01/07/1999	IM40MB	THALLIUM	5.20	J	UG/L	107.00	117.00	2.00	X
MW-1	W01SSA	09/07/1999	IM40MB	THALLIUM	2.90	J	UG/L	0.00	10.00	2.00	X
MW-127	W127SSA	11/15/2000	IM40MB	THALLIUM	2.40	J	UG/L	0.00	10.00	2.00	X
MW-18	W18SSA	03/12/1999	IM40MB	THALLIUM	2.30	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	09/10/1999	IM40MB	THALLIUM	3.80	J	UG/L	0.00	10.00	2.00	X
MW-19	W19DDL	02/11/1999	IM40MB	THALLIUM	3.10	J	UG/L	251.00	256.00	2.00	X
MW-2	W02DDD	08/02/2000	IM40MB	THALLIUM	4.90	J	UG/L	287.00	295.00	2.00	X
MW-21	W21M2A	11/01/1999	IM40MB	THALLIUM	4.00	J	UG/L	58.00	68.00	2.00	X
MW-23	W23SSA	09/14/1999	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-25	W25SSA	09/14/1999	IM40MB	THALLIUM	5.30	J	UG/L	0.00	10.00	2.00	X
MW-37	W37M2A	12/29/1999	IM40MB	THALLIUM	4.90	J	UG/L	28.00	38.00	2.00	X
MW-38	W38M4A	08/18/1999	IM40MB	THALLIUM	2.80	J	UG/L	15.00	25.00	2.00	X
MW-38	W38M2A	05/11/1999	IM40MB	THALLIUM	4.90	J	UG/L	70.00	80.00	2.00	X
MW-41	W41M2A	04/02/1999	IM40MB	THALLIUM	2.50	J	UG/L	69.00	79.00	2.00	X
MW-42	W42M2A	11/19/1999	IM40MB	THALLIUM	4.00	J	UG/L	119.00	129.00	2.00	X
MW-45	W45SSA	05/26/1999	IM40MB	THALLIUM	3.00	J	UG/L	0.00	10.00	2.00	X
MW-45	W45SSA	08/31/2000	IM40MB	THALLIUM	4.40	J	UG/L	0.00	10.00	2.00	X
MW-46	W46M1A	05/16/2000	IM40MB	THALLIUM	5.30	J	UG/L	102.00	112.00	2.00	X
MW-46	W46DDA	11/02/1999	IM40MB	THALLIUM	5.10	J	UG/L	135.00	145.00	2.00	X
MW-47	W47M3A	08/25/1999	IM40MB	THALLIUM	3.20	J	UG/L	21.00	31.00	2.00	X
MW-47	W47M3A	05/31/2000	IM40MB	THALLIUM	5.00	J	UG/L	21.00	31.00	2.00	X
MW-47	W47M2A	03/26/1999	IM40MB	THALLIUM	3.20	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M2A	08/25/1999	IM40MB	THALLIUM	4.00	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M2A	05/30/2000	IM40MB	THALLIUM	4.50	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M1A	08/24/1999	IM40MB	THALLIUM	2.60	J	UG/L	75.00	85.00	2.00	X
MW-48	W48M3A	02/28/2000	IM40MB	THALLIUM	4.20	J	UG/L	29.73	39.73	2.00	X
MW-48	W48DAA	06/26/2000	IM40MB	THALLIUM	4.70	J	UG/L	119.00	129.00	2.00	X
MW-49	W49SSA	11/19/1999	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-49	W49M3D	06/27/2000	IM40MB	THALLIUM	4.30	J	UG/L	29.48	39.48	2.00	X
MW-50	W50M1A	05/15/2000	IM40MB	THALLIUM	6.20	J	UG/L	90.00	100.00	2.00	X
MW-51	W51M3A	08/25/1999	IM40MB	THALLIUM	4.30	J	UG/L	29.00	39.00	2.00	X

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MW-52	W52SSA	08/26/1999	IM40MB	THALLIUM	3.60	J	UG/L	0.00	10.00	2.00	X
MW-52	W52SSA	11/18/1999	IM40MB	THALLIUM	4.30	J	UG/L	0.00	10.00	2.00	X
MW-52	W52SSA	05/23/2000	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-52	W52M3L	04/07/1999	IM40MB	THALLIUM	3.60	J	UG/L	26.00	36.00	2.00	X
MW-52	W52DDA	04/02/1999	IM40MB	THALLIUM	2.80	J	UG/L	219.00	229.00	2.00	X
MW-52	W52DDL	04/02/1999	IM40MB	THALLIUM	2.60	J	UG/L	219.00	229.00	2.00	X
MW-52	W52DDA	08/30/1999	IM40MB	THALLIUM	3.80	J	UG/L	219.00	229.00	2.00	X
MW-53	W53M1A	11/05/1999	IM40MB	THALLIUM	3.40	J	UG/L	100.00	110.00	2.00	X
MW-54	W54SSA	11/08/1999	IM40MB	THALLIUM	7.40	J	UG/L	0.00	10.00	2.00	X
MW-54	W54SSA	06/06/2000	IM40MB	THALLIUM	4.60	J	UG/L	0.00	10.00	2.00	X
MW-54	W54SSA	11/15/2000	IM40MB	THALLIUM	3.10	J	UG/L	0.00	10.00	2.00	X
MW-54	W54M1A	08/30/1999	IM40MB	THALLIUM	2.80	J	UG/L	80.00	90.00	2.00	X
MW-54	W54M1A	11/05/1999	IM40MB	THALLIUM	3.90	J	UG/L	80.00	90.00	2.00	X
MW-55	W55M1A	08/31/1999	IM40MB	THALLIUM	2.50	J	UG/L	90.00	100.00	2.00	X
MW-56	W56SSA	09/05/2000	IM40MB	THALLIUM	4.00	J	UG/L	0.00	10.00	2.00	X
MW-56	W56M3A	09/05/2000	IM40MB	THALLIUM	6.10	J	UG/L	28.00	38.00	2.00	X
MW-56	W56M3D	09/05/2000	IM40MB	THALLIUM	4.40	J	UG/L	28.00	38.00	2.00	X
MW-57	W57M2A	03/22/2000	IM40MB	THALLIUM	4.10	J	UG/L	60.00	70.00	2.00	X
MW-58	W58SSA	05/11/2000	IM40MB	THALLIUM	7.30	J	UG/L	0.00	10.00	2.00	X
MW-64	W64M1A	02/07/2000	IM40MB	THALLIUM	4.10	J	UG/L	37.00	47.00	2.00	X
MW-7	W07MMA	02/23/1999	IM40MB	THALLIUM	4.10	J	UG/L	67.00	72.00	2.00	X
MW-7	W07M1A	09/07/1999	IM40MB	THALLIUM	26.20		UG/L	67.00	72.00	2.00	X
MW-7	W07M1D	09/07/1999	IM40MB	THALLIUM	12.70		UG/L	67.00	72.00	2.00	X
MW-7	W07M2L	02/05/1998	IM40MB	THALLIUM	6.60	J	UG/L	137.00	142.00	2.00	X
MW-7	W07M2A	02/24/1999	IM40MB	THALLIUM	4.40	J	UG/L	137.00	142.00	2.00	X
MW-72	W72SSA	05/27/1999	IM40MB	THALLIUM	4.00		UG/L	0.00	10.00	2.00	X
MW-83	W83SSA	01/13/2000	IM40MB	THALLIUM	3.60	J	UG/L	0.00	10.00	2.00	X
MW-84	W84SSA	10/21/1999	IM40MB	THALLIUM	3.20	J	UG/L	0.00	10.00	2.00	X
PPAWSMW-1	PPAWSMW-1	06/22/1999	IM40MB	THALLIUM	3.10	J	UG/L	10.00	20.00	2.00	X
SMR-2	WSMR2A	03/25/1999	IM40MB	THALLIUM	2.00	J	UG/L	0.00	10.00	2.00	X
95-14	W9514A	09/28/1999	IM40MB	ZINC	2,430.00		UG/L	90.00	120.00	2,000.00	X
LRWS5-1	WL51XA	01/25/1999	IM40MB	ZINC	3,980.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XL	01/25/1999	IM40MB	ZINC	3,770.00		UG/L	66.00	91.00	2,000.00	X
LRWS6-1	WL61XA	01/28/1999	IM40MB	ZINC	2,240.00		UG/L	184.00	199.00	2,000.00	X
LRWS6-1	WL61XL	01/28/1999	IM40MB	ZINC	2,200.00		UG/L	184.00	199.00	2,000.00	X

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>MCL/HA = EQUALS OR EXCEEDS EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT, OR LIFETIME)

TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH FEBRUARY 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
LRWS7-1	WL71XA	01/22/1999	IM40MB	ZINC	4,160.00		UG/L	186.00	201.00	2,000.00	X
LRWS7-1	WL71XL	01/22/1999	IM40MB	ZINC	4,100.00		UG/L	186.00	201.00	2,000.00	X
MW-41	W41M1A	08/19/1999	OC21B	2,6-DINITROTOLUENE	5.00	J	UG/L	110.00	120.00	5.00	X
03MW0122A	WS122A	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	12.00		UG/L	1.00	11.00	6.00	X
11MW0003	WF143A	02/25/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	0.00	0.00	6.00	X
11MW0003	WF143A	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	24.00		UG/L	0.00	0.00	6.00	X
15MW0004	15MW0004	04/09/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00		UG/L	0.00	10.00	6.00	X
15MW0008	15MW0008D	04/12/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	25.00	J	UG/L	0.00	0.00	6.00	X
28MW0106	WL28XA	02/19/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	18.00	J	UG/L	0.00	10.00	6.00	X
28MW0106	WL28XA	03/23/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	26.00		UG/L	0.00	10.00	6.00	X
58MW0002	WC2XXA	02/26/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	36.00		UG/L	4.00	9.00	6.00	X
58MW0005E	WC5EXA	09/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXA	10/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	59.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXD	10/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	57.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXA	01/29/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00		UG/L	0.00	10.00	6.00	X
58MW0007C	WC7CXA	09/28/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00		UG/L	24.00	29.00	6.00	X
90MW0054	WF12XA	10/04/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00	J	UG/L	95.00	100.00	6.00	X
90WT0003	WF03XA	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	58.00		UG/L	0.00	10.00	6.00	X
90WT0005	WF05XA	01/13/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	47.00		UG/L	0.00	10.00	6.00	X
90WT0013	WF13XA	01/16/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	34.00		UG/L	2.00	12.00	6.00	X
90WT0013	WF13XA	01/14/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	2.00	12.00	6.00	X
95-14	W9514A	09/28/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	22.00		UG/L	90.00	120.00	6.00	X
97-1	W9701A	11/19/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	54.00	J	UG/L	62.00	72.00	6.00	X
97-1	W9701D	11/19/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	28.00	J	UG/L	62.00	72.00	6.00	X
97-2	W9702A	11/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	53.00	63.00	6.00	X
97-3	W9703A	11/21/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	73.00	J	UG/L	36.00	46.00	6.00	X
97-5	W9705A	11/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	15.00		UG/L	76.00	86.00	6.00	X
BHW215083	WG083A	11/26/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00		UG/L	0.00	0.00	6.00	X
LRWS1-4	WL14XA	10/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	78.00	J	UG/L	107.00	117.00	6.00	X
LRWS2-3	WL23XA	11/21/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	20.00	J	UG/L	68.00	83.00	6.00	X
LRWS2-6	WL26XA	10/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	21.00		UG/L	75.00	90.00	6.00	X
LRWS2-6	WL26XA	10/04/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00	J	UG/L	75.00	90.00	6.00	X
LRWS4-1	WL41XA	11/24/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	100.00		UG/L	66.00	91.00	6.00	X
LRWS5-1	WL51XA	11/25/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	66.00	91.00	6.00	X
MW-10	W10SSA	09/16/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	39.00		UG/L	0.00	10.00	6.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH FEBRUARY 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-11	W11SSA	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	33.00	J	UG/L	0.00	10.00	6.00	X
MW-11	W11SSD	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	23.00	J	UG/L	0.00	10.00	6.00	X
MW-12	W12SSA	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	28.00		UG/L	0.00	10.00	6.00	X
MW-14	W14SSA	11/04/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00		UG/L	0.00	10.00	6.00	X
MW-16	W16SSA	11/17/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	28.00		UG/L	0.00	10.00	6.00	X
MW-16	W16DDA	11/17/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	43.00		UG/L	108.00	113.00	6.00	X
MW-17	W17SSD	11/10/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	120.00	J	UG/L	0.00	10.00	6.00	X
MW-17	W17DDA	11/11/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	42.00		UG/L	197.00	207.00	6.00	X
MW-18	W18SSA	10/10/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	36.00		UG/L	0.00	10.00	6.00	X
MW-18	W18DDA	09/10/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00		UG/L	223.00	233.00	6.00	X
MW-19	W19DDA	03/04/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	251.00	256.00	6.00	X
MW-2	W02M2A	01/20/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	24.00		UG/L	31.00	36.00	6.00	X
MW-2	W02M1A	01/21/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00	J	UG/L	73.00	78.00	6.00	X
MW-2	W02DDA	02/02/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	287.00	295.00	6.00	X
MW-20	W20SSA	11/07/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	280.00		UG/L	0.00	10.00	6.00	X
MW-21	W21M2A	04/01/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	58.00	68.00	6.00	X
MW-22	W22SSA	11/24/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	96.00		UG/L	0.00	10.00	6.00	X
MW-22	W22SSA	09/20/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	18.00		UG/L	0.00	10.00	6.00	X
MW-23	W23SSA	10/27/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	24.00		UG/L	0.00	10.00	6.00	X
MW-23	W23M3A	11/13/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	153.00	163.00	6.00	X
MW-23	W23M3D	11/13/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00		UG/L	153.00	163.00	6.00	X
MW-24	W24SSA	11/14/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	0.00	10.00	6.00	X
MW-27	W27SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	11/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	150.00	J	UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	11/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	20.00		UG/L	0.00	10.00	6.00	X
MW-36	W36M2A	08/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	59.00	69.00	6.00	X
MW-38	W38M3A	05/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	15.00		UG/L	53.00	63.00	6.00	X
MW-4	W04SSA	11/04/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	30.00		UG/L	0.00	10.00	6.00	X
MW-41	W41M2A	11/12/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	69.00	79.00	6.00	X
MW-43	W43M1A	05/26/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00		UG/L	93.00	103.00	6.00	X
MW-44	W44M1A	09/20/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00		UG/L	55.00	65.00	6.00	X
MW-45	W45M1A	05/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	37.00		UG/L	98.00	108.00	6.00	X
MW-46	W46M1A	11/01/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00	J	UG/L	102.00	112.00	6.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH FEBRUARY 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-46	W46DDA	11/02/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00	J	UG/L	135.00	145.00	6.00	X
MW-47	W47M1A	08/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00		UG/L	75.00	85.00	6.00	X
MW-47	W47DDA	08/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	100.00	110.00	6.00	X
MW-49	W49SSA	03/01/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	290.00		UG/L	0.00	10.00	6.00	X
MW-5	W05DDA	02/13/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00	J	UG/L	220.00	225.00	6.00	X
MW-52	W52M3A	08/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00	J	UG/L	26.00	36.00	6.00	X
MW-53	W53M1A	08/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	31.00		UG/L	100.00	110.00	6.00	X
MW-53	W53DDA	02/18/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	18.00		UG/L	157.00	167.00	6.00	X
MW-55	W55DDA	05/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	120.00	130.00	6.00	X
MW-57	W57SSA	12/21/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	3,300.00	J	UG/L	0.00	10.00	6.00	X
MW-57	W57M2A	06/30/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	60.00	70.00	6.00	X
MW-57	W57DDA	12/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	95.00		UG/L	125.00	135.00	6.00	X
MW-7	W07SSA	10/31/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	0.00	10.00	6.00	X
MW-70	W70M1A	10/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	130.00	140.00	6.00	X
MW-84	W84DDA	03/03/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	30.00		UG/L	151.00	161.00	6.00	X
RW-1	WRW1XA	02/18/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	59.00		UG/L	0.00	9.00	6.00	X
RW-1	WRW1XD	10/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00	J	UG/L	0.00	9.00	6.00	X
90MW0003	WF03MA	10/07/1999	OC21B	NAPHTHALENE	33.00		UG/L	60.00	65.00	20.00	X
MW-45	W45SSA	05/26/1999	OC21B	NAPHTHALENE	24.00		UG/L	0.00	10.00	20.00	X
MW-45	W45SSA	11/16/1999	OC21B	NAPHTHALENE	27.00		UG/L	0.00	10.00	20.00	X
90MW0003	WF03MA	10/07/1999	OC21V	1,2-DICHLOROETHANE	5.00		UG/L	60.00	65.00	5.00	X
03MW0007A	03MW0007A	04/13/1999	OC21V	TETRACHLOROETHYLENE(P	6.00		UG/L	21.00	26.00	5.00	X
03MW0014A	03MW0014A	04/13/1999	OC21V	TETRACHLOROETHYLENE(P	8.00		UG/L	38.00	43.00	5.00	X
03MW0020	03MW0020	04/14/1999	OC21V	TETRACHLOROETHYLENE(P	12.00		UG/L	36.00	41.00	5.00	X
MW-45	W45SSA	11/16/1999	OC21V	TOLUENE	1,000.00		UG/L	0.00	10.00	1,000.00	X
MW-45	W45SSA	05/29/2000	OC21V	TOLUENE	1,100.00		UG/L	0.00	10.00	1,000.00	X
27MW0017B	27MW0017B	04/30/1999	OC21V	VINYL CHLORIDE	2.00		UG/L	21.00	26.00	2.00	X
PPAWSMW-1	PPAWSMW-1	06/22/1999	OL21P	DIELDRIN	3.00		UG/L	10.00	20.00	0.50	X

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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 1/10/01-2/28/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G154DFE	FIELDQC	02/12/2001	FIELDQC	0.00	0.00			OC21V	ACETONE	
WSJ35C01AA	WSJ35C01AA	02/02/2001	GAUZE WIPE					8330N	3-NITROTOLUENE	NO
WSJ35C01AA	WSJ35C01AA	02/02/2001	GAUZE WIPE					8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
WSJ35C02AA	WSJ35C02AA	02/02/2001	GAUZE WIPE					8330N	1,3,5-TRINITROBENZENE	YES
WSJ35C02AA	WSJ35C02AA	02/02/2001	GAUZE WIPE					8330N	3-NITROTOLUENE	NO
WSJ35C02AA	WSJ35C02AA	02/02/2001	GAUZE WIPE					8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
90MP0059BA	90MP0059BA	01/26/2001	GROUNDWATER	112.00	117.00			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
90MP0059CA	90MP0059CA	01/30/2001	GROUNDWATER					8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
90MW0054AA	90MW0054AA	01/30/2001	GROUNDWATER	107.00	112.00	90.41	95.41	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
90MW0054AD	90MW0054AA	01/30/2001	GROUNDWATER	107.00	112.00	90.41	95.41	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
90MW0101	90MW0101	01/26/2001	GROUNDWATER	113.00	118.00	104.40	109.40	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W100M2A	MW-100	01/27/2001	GROUNDWATER	164.00	174.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W100M2D	MW-100	01/27/2001	GROUNDWATER	164.00	174.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W100M1A	MW-100	01/27/2001	GROUNDWATER	179.00	189.00	43.80	53.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W100M1A	MW-100	01/27/2001	GROUNDWATER	179.00	189.00	43.80	53.80	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W105M2A	MW-105	01/27/2001	GROUNDWATER	165.00	175.00	34.55	44.55	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W105M1A	MW-105	01/27/2001	GROUNDWATER	205.00	215.00	74.65	84.65	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W107M2A	MW-107	01/27/2001	GROUNDWATER	125.00	135.00	2.65	12.65	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W107M2D	MW-107	01/27/2001	GROUNDWATER	125.00	135.00	2.65	12.65	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W107M1A	MW-107	01/27/2001	GROUNDWATER	155.00	165.00	32.65	42.65	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W108M4A	MW-108	01/15/2001	GROUNDWATER	240.00	250.00	73.41	83.41	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W108M4A	MW-108	01/15/2001	GROUNDWATER	240.00	250.00	73.41	83.41	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W108M3A	MW-108	01/15/2001	GROUNDWATER	262.00	272.00	95.46	105.46	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W113M2A	MW-113	01/15/2001	GROUNDWATER	190.00	200.00	47.14	57.14	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W113M2A	MW-113	01/15/2001	GROUNDWATER	190.00	200.00	47.14	57.14	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W130SSA	MW-130	02/15/2001	GROUNDWATER	103.00	113.00	0.00	6.90	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W130SSA	MW-130	02/15/2001	GROUNDWATER	103.00	113.00	0.00	6.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W130SSA	MW-130	02/15/2001	GROUNDWATER	103.00	113.00	0.00	6.90	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W136SSA	MW-136	02/19/2001	GROUNDWATER	107.00	117.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W136SSA	MW-136	02/19/2001	GROUNDWATER	107.00	117.00	0.00	10.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W136M1A	MW-136	02/19/2001	GROUNDWATER	224.00	234.00	114.60	124.60	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W136M1A	MW-136	02/19/2001	GROUNDWATER	224.00	234.00	114.60	124.60	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES

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SAMPLES COLLECTED 1/10/01-2/28/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W141M2A	MW-141	02/10/2001	GROUNDWATER	162.00	172.00	31.70	41.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W142M2A	MW-142	01/29/2001	GROUNDWATER	140.00	150.00	95.10	105.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W143M3A	MW-143	02/08/2001	GROUNDWATER	107.00	112.00	73.01	78.01	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W143M3A	MW-143	02/08/2001	GROUNDWATER	107.00	112.00	73.01	78.01	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W143M2A	MW-143	02/07/2001	GROUNDWATER	117.00	122.00	83.02	88.02	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W143M2A	MW-143	02/07/2001	GROUNDWATER	117.00	122.00	83.02	88.02	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W143M1A	MW-143	02/07/2001	GROUNDWATER	144.00	154.00	110.02	120.02	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W143M1D	MW-143	02/07/2001	GROUNDWATER	144.00	154.00	110.02	120.02	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W144SSA	MW-144	02/12/2001	GROUNDWATER	26.00	36.00	0.00	10.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W147M2A	MW-147	02/23/2001	GROUNDWATER	150.00	160.00	72.90	82.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W147M2A	MW-147	02/23/2001	GROUNDWATER	150.00	160.00	72.90	82.90	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W147M1A	MW-147	02/23/2001	GROUNDWATER	167.00	177.00	89.97	99.97	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W85M1A	MW-85	02/10/2001	GROUNDWATER	137.50	147.50	17.70	27.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W85M1A	MW-85	02/10/2001	GROUNDWATER	137.50	147.50	17.70	27.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W85M1A	MW-85	02/10/2001	GROUNDWATER	137.50	147.50	17.70	27.70	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W87M2A	MW-87	01/10/2001	GROUNDWATER	169.00	179.00	34.42	44.42	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W87M1A	MW-87	01/10/2001	GROUNDWATER	194.00	204.00	59.53	69.53	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W87M1A	MW-87	01/10/2001	GROUNDWATER	194.00	204.00	59.53	69.53	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W88M2A	MW-88	01/10/2001	GROUNDWATER	213.00	223.00	69.60	79.60	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W88M2A	MW-88	01/10/2001	GROUNDWATER	213.00	223.00	69.60	79.60	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W89M3A	MW-89	01/11/2001	GROUNDWATER	174.00	184.00	28.82	38.82	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W89M2A	MW-89	01/11/2001	GROUNDWATER	214.00	224.00	68.95	78.95	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W89M2A	MW-89	01/11/2001	GROUNDWATER	214.00	224.00	68.95	78.95	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W89M1A	MW-89	01/11/2001	GROUNDWATER	234.00	244.00	89.17	99.17	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W94SSA	MW-94	01/12/2001	GROUNDWATER	124.00	134.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W94M2A	MW-94	01/11/2001	GROUNDWATER	140.00	150.00	14.04	24.04	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W94M2A	MW-94	01/11/2001	GROUNDWATER	140.00	150.00	14.04	24.04	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W95SSA	MW-95	01/10/2001	GROUNDWATER	125.00	135.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W95M2A	MW-95	01/10/2001	GROUNDWATER	167.00	177.00	39.95	49.95	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W98SSA	MW-98	01/13/2001	GROUNDWATER	137.00	147.00	0.00	10.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W98M1A	MW-98	01/13/2001	GROUNDWATER	164.00	174.00	25.06	35.06	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W99M1A	MW-99	01/13/2001	GROUNDWATER	195.00	205.00	55.00	65.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES

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W141SSA	MW141	02/10/2001	GROUNDWATER	128.00	138.00	0.00	7.79	8330N	2,4,6-TRINITROTOLUENE	YES
GSB023SAA	B-23	02/21/2001	PROFILE	36.00	36.00	1.75	1.75	8330N	2,4,6-TRINITROTOLUENE	YES
GSB023SAA	B-23	02/21/2001	PROFILE	36.00	36.00	1.75	1.75	8330N	NITROGLYCERIN	NO
GSB023SAA	B-23	02/21/2001	PROFILE	36.00	36.00	1.75	1.75	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
GSB023SAA	B-23	02/21/2001	PROFILE	36.00	36.00	1.75	1.75	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
GSB023SAA	B-23	02/21/2001	PROFILE	36.00	36.00	1.75	1.75	OC21V	ACETONE	
GSB023SAA	B-23	02/21/2001	PROFILE	36.00	36.00	1.75	1.75	OC21V	CHLOROFORM	
GSB023SAA	B-23	02/21/2001	PROFILE	36.00	36.00	1.75	1.75	OC21V	CHLOROMETHANE	
G152DAA	MW-152	02/05/2001	PROFILE	110.00	110.00	0.80	0.80	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G152DAA	MW-152	02/05/2001	PROFILE	110.00	110.00	0.80	0.80	8330N	NITROGLYCERIN	NO
G152DAA	MW-152	02/05/2001	PROFILE	110.00	110.00	0.80	0.80	8330N	PICRIC ACID	NO
G152DAA	MW-152	02/05/2001	PROFILE	110.00	110.00	0.80	0.80	OC21V	ACETONE	
G152DAA	MW-152	02/05/2001	PROFILE	110.00	110.00	0.80	0.80	OC21V	CHLOROFORM	
G152DAA	MW-152	02/05/2001	PROFILE	110.00	110.00	0.80	0.80	OC21V	METHYL ETHYL KETONE (2-BUTA	
G152DBA	MW-152	02/05/2001	PROFILE	120.00	120.00	10.80	10.80	OC21V	ACETONE	
G152DBA	MW-152	02/05/2001	PROFILE	120.00	120.00	10.80	10.80	OC21V	CHLOROFORM	
G152DBA	MW-152	02/05/2001	PROFILE	120.00	120.00	10.80	10.80	OC21V	METHYL ETHYL KETONE (2-BUTA	
G152DCA	MW-152	02/05/2001	PROFILE	130.00	130.00	20.80	20.80	OC21V	ACETONE	
G152DCA	MW-152	02/05/2001	PROFILE	130.00	130.00	20.80	20.80	OC21V	CHLOROFORM	
G152DCA	MW-152	02/05/2001	PROFILE	130.00	130.00	20.80	20.80	OC21V	METHYL ETHYL KETONE (2-BUTA	
G152DCD	MW-152	02/05/2001	PROFILE	130.00	130.00	20.80	20.80	OC21V	ACETONE	
G152DCD	MW-152	02/05/2001	PROFILE	130.00	130.00	20.80	20.80	OC21V	CHLOROFORM	
G152DCD	MW-152	02/05/2001	PROFILE	130.00	130.00	20.80	20.80	OC21V	METHYL ETHYL KETONE (2-BUTA	
G152DDA	MW-152	02/05/2001	PROFILE	140.00	140.00	30.80	30.80	OC21V	ACETONE	
G152DDA	MW-152	02/05/2001	PROFILE	140.00	140.00	30.80	30.80	OC21V	CHLOROFORM	
G152DEA	MW-152	02/05/2001	PROFILE	150.00	150.00	40.80	40.80	OC21V	ACETONE	
G152DEA	MW-152	02/05/2001	PROFILE	150.00	150.00	40.80	40.80	OC21V	CHLOROFORM	
G152DEA	MW-152	02/05/2001	PROFILE	150.00	150.00	40.80	40.80	OC21V	METHYL ETHYL KETONE (2-BUTA	
G152DFA	MW-152	02/05/2001	PROFILE	160.00	160.00	50.80	50.80	OC21V	ACETONE	
G152DFA	MW-152	02/05/2001	PROFILE	160.00	160.00	50.80	50.80	OC21V	CHLOROFORM	
G152DFA	MW-152	02/05/2001	PROFILE	160.00	160.00	50.80	50.80	OC21V	METHYL ETHYL KETONE (2-BUTA	
G152DGA	MW-152	02/05/2001	PROFILE	170.00	170.00	60.80	60.80	OC21V	ACETONE	

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G152DGA	MW-152	02/05/2001	PROFILE	170.00	170.00	60.80	60.80	OC21V	CHLOROFORM	
G152DGA	MW-152	02/05/2001	PROFILE	170.00	170.00	60.80	60.80	OC21V	METHYL ETHYL KETONE (2-BUTA	
G152DHA	MW-152	02/06/2001	PROFILE	180.00	180.00	70.80	70.80	OC21V	ACETONE	
G152DHA	MW-152	02/06/2001	PROFILE	180.00	180.00	70.80	70.80	OC21V	CHLOROFORM	
G152DHA	MW-152	02/06/2001	PROFILE	180.00	180.00	70.80	70.80	OC21V	METHYL ETHYL KETONE (2-BUTA	
G152DIA	MW-152	02/06/2001	PROFILE	190.00	190.00	80.80	80.80	OC21V	ACETONE	
G152DIA	MW-152	02/06/2001	PROFILE	190.00	190.00	80.80	80.80	OC21V	CHLOROFORM	
G152DIA	MW-152	02/06/2001	PROFILE	190.00	190.00	80.80	80.80	OC21V	METHYL ETHYL KETONE (2-BUTA	
G152DJA	MW-152	02/06/2001	PROFILE	200.00	200.00	90.80	90.80	8330N	NITROGLYCERIN	NO
G152DJA	MW-152	02/06/2001	PROFILE	200.00	200.00	90.80	90.80	8330N	PICRIC ACID	NO
G152DJA	MW-152	02/06/2001	PROFILE	200.00	200.00	90.80	90.80	OC21V	2-HEXANONE	
G152DJA	MW-152	02/06/2001	PROFILE	200.00	200.00	90.80	90.80	OC21V	ACETONE	
G152DJA	MW-152	02/06/2001	PROFILE	200.00	200.00	90.80	90.80	OC21V	CHLOROFORM	
G152DJA	MW-152	02/06/2001	PROFILE	200.00	200.00	90.80	90.80	OC21V	METHYL ETHYL KETONE (2-BUTA	
G152DKA	MW-152	02/06/2001	PROFILE	210.00	210.00	100.80	100.80	8330N	NITROGLYCERIN	NO
G152DKA	MW-152	02/06/2001	PROFILE	210.00	210.00	100.80	100.80	8330N	PICRIC ACID	NO
G152DKA	MW-152	02/06/2001	PROFILE	210.00	210.00	100.80	100.80	OC21V	2-HEXANONE	
G152DKA	MW-152	02/06/2001	PROFILE	210.00	210.00	100.80	100.80	OC21V	ACETONE	
G152DKA	MW-152	02/06/2001	PROFILE	210.00	210.00	100.80	100.80	OC21V	CHLOROFORM	
G152DKA	MW-152	02/06/2001	PROFILE	210.00	210.00	100.80	100.80	OC21V	METHYL ETHYL KETONE (2-BUTA	
G152DLA	MW-152	02/07/2001	PROFILE	220.00	220.00	110.80	110.80	OC21V	ACETONE	
G152DLA	MW-152	02/07/2001	PROFILE	220.00	220.00	110.80	110.80	OC21V	METHYL ETHYL KETONE (2-BUTA	
G152DMA	MW-152	02/07/2001	PROFILE	230.00	230.00	120.80	120.80	OC21V	ACETONE	
G152DNA	MW-152	02/07/2001	PROFILE	240.00	240.00	130.80	130.80	OC21V	ACETONE	
G152DOA	MW-152	02/07/2001	PROFILE	250.00	250.00	140.80	140.80	OC21V	ACETONE	
G152DPA	MW-152	02/07/2001	PROFILE	260.00	260.00	150.80	150.80	OC21V	ACETONE	
G152DQA	MW-152	02/07/2001	PROFILE	270.00	270.00	160.80	160.80	OC21V	ACETONE	
G153DAA	MW-153	02/07/2001	PROFILE	110.00	110.00	14.70	14.70	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G153DAA	MW-153	02/07/2001	PROFILE	110.00	110.00	14.70	14.70	8330N	NITROGLYCERIN	NO
G153DAA	MW-153	02/07/2001	PROFILE	110.00	110.00	14.70	14.70	8330N	PICRIC ACID	NO
G153DAA	MW-153	02/07/2001	PROFILE	110.00	110.00	14.70	14.70	OC21V	ACETONE	
G153DAA	MW-153	02/07/2001	PROFILE	110.00	110.00	14.70	14.70	OC21V	CHLOROMETHANE	

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G153DAA	MW-153	02/07/2001	PROFILE	110.00	110.00	14.70	14.70	OC21V	ETHYLBENZENE	
G153DAA	MW-153	02/07/2001	PROFILE	110.00	110.00	14.70	14.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G153DBA	MW-153	02/07/2001	PROFILE	120.00	120.00	24.70	24.70	8330N	PICRIC ACID	NO
G153DBA	MW-153	02/07/2001	PROFILE	120.00	120.00	24.70	24.70	OC21V	ACETONE	
G153DBA	MW-153	02/07/2001	PROFILE	120.00	120.00	24.70	24.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G153DCA	MW-153	02/07/2001	PROFILE	130.00	130.00	34.70	34.70	8330N	NITROGLYCERIN	YES
G153DCA	MW-153	02/07/2001	PROFILE	130.00	130.00	34.70	34.70	8330N	PICRIC ACID	NO
G153DCA	MW-153	02/07/2001	PROFILE	130.00	130.00	34.70	34.70	OC21V	ACETONE	
G153DCA	MW-153	02/07/2001	PROFILE	130.00	130.00	34.70	34.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G153DDA	MW-153	02/07/2001	PROFILE	140.00	140.00	44.70	44.70	OC21V	ACETONE	
G153DDD	MW-153	02/07/2001	PROFILE	140.00	140.00	44.70	44.70	OC21V	ACETONE	
G153DDD	MW-153	02/07/2001	PROFILE	140.00	140.00	44.70	44.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G153DEA	MW-153	02/08/2001	PROFILE	150.00	150.00	54.70	54.70	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G153DEA	MW-153	02/08/2001	PROFILE	150.00	150.00	54.70	54.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G153DEA	MW-153	02/08/2001	PROFILE	150.00	150.00	54.70	54.70	8330N	PICRIC ACID	NO
G153DEA	MW-153	02/08/2001	PROFILE	150.00	150.00	54.70	54.70	OC21V	2-HEXANONE	
G153DEA	MW-153	02/08/2001	PROFILE	150.00	150.00	54.70	54.70	OC21V	ACETONE	
G153DEA	MW-153	02/08/2001	PROFILE	150.00	150.00	54.70	54.70	OC21V	CHLOROMETHANE	
G153DEA	MW-153	02/08/2001	PROFILE	150.00	150.00	54.70	54.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G153DFA	MW-153	02/08/2001	PROFILE	160.00	160.00	64.70	64.70	OC21V	ACETONE	
G153DFA	MW-153	02/08/2001	PROFILE	160.00	160.00	64.70	64.70	OC21V	CARBON DISULFIDE	
G153DFA	MW-153	02/08/2001	PROFILE	160.00	160.00	64.70	64.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G153DGA	MW-153	02/08/2001	PROFILE	170.00	170.00	74.70	74.70	OC21V	ACETONE	
G153DGA	MW-153	02/08/2001	PROFILE	170.00	170.00	74.70	74.70	OC21V	CARBON DISULFIDE	
G153DGA	MW-153	02/08/2001	PROFILE	170.00	170.00	74.70	74.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G153DIA	MW-153	02/08/2001	PROFILE	190.00	190.00	94.70	94.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G153DIA	MW-153	02/08/2001	PROFILE	190.00	190.00	94.70	94.70	OC21V	ACETONE	
G153DIA	MW-153	02/08/2001	PROFILE	190.00	190.00	94.70	94.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G153DJA	MW-153	02/08/2001	PROFILE	200.00	200.00	104.70	104.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G153DJA	MW-153	02/08/2001	PROFILE	200.00	200.00	104.70	104.70	OC21V	ACETONE	
G153DKA	MW-153	02/08/2001	PROFILE	210.00	210.00	114.70	114.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G153DKA	MW-153	02/08/2001	PROFILE	210.00	210.00	114.70	114.70	OC21V	ACETONE	

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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 1/10/01-2/28/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G153DLA	MW-153	02/08/2001	PROFILE	220.00	220.00	124.70	124.70	OC21V	ACETONE	
G153DLA	MW-153	02/08/2001	PROFILE	220.00	220.00	124.70	124.70	OC21V	CHLOROFORM	
G153DMA	MW-153	02/08/2001	PROFILE	230.00	230.00	134.70	134.70	OC21V	ACETONE	
G153DMA	MW-153	02/08/2001	PROFILE	230.00	230.00	134.70	134.70	OC21V	CHLOROFORM	
G153DMD	MW-153	02/08/2001	PROFILE	230.00	230.00	134.70	134.70	OC21V	ACETONE	
G153DMD	MW-153	02/08/2001	PROFILE	230.00	230.00	134.70	134.70	OC21V	CHLOROFORM	
G153DNA	MW-153	02/09/2001	PROFILE	240.00	240.00	144.70	144.70	8330N	2,6-DINITROTOLUENE	NO
G153DNA	MW-153	02/09/2001	PROFILE	240.00	240.00	144.70	144.70	8330N	NITROGLYCERIN	NO
G153DNA	MW-153	02/09/2001	PROFILE	240.00	240.00	144.70	144.70	OC21V	ACETONE	
G153DNA	MW-153	02/09/2001	PROFILE	240.00	240.00	144.70	144.70	OC21V	CHLOROFORM	
G153DOA	MW-153	02/09/2001	PROFILE	250.00	250.00	154.70	154.70	OC21V	ACETONE	
G153DOA	MW-153	02/09/2001	PROFILE	250.00	250.00	154.70	154.70	OC21V	CHLOROFORM	
G153DQA	MW-153	02/09/2001	PROFILE	270.00	270.00	174.70	174.70	OC21V	ACETONE	
G153DRA	MW-153	02/12/2001	PROFILE	280.00	280.00	184.70	184.70	8330N	2,6-DINITROTOLUENE	NO
G153DRA	MW-153	02/12/2001	PROFILE	280.00	280.00	184.70	184.70	8330N	PICRIC ACID	NO
G153DRA	MW-153	02/12/2001	PROFILE	280.00	280.00	184.70	184.70	OC21V	ACETONE	
G153DRA	MW-153	02/12/2001	PROFILE	280.00	280.00	184.70	184.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G154DAA	MW-154	02/09/2001	PROFILE	110.00	110.00	10.00	10.00	8330N	2,6-DINITROTOLUENE	NO
G154DAA	MW-154	02/09/2001	PROFILE	110.00	110.00	10.00	10.00	8330N	NITROGLYCERIN	NO
G154DAA	MW-154	02/09/2001	PROFILE	110.00	110.00	10.00	10.00	8330N	PICRIC ACID	NO
G154DAA	MW-154	02/09/2001	PROFILE	110.00	110.00	10.00	10.00	OC21V	ACETONE	
G154DAA	MW-154	02/09/2001	PROFILE	110.00	110.00	10.00	10.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G154DBA	MW-154	02/09/2001	PROFILE	120.00	120.00	20.00	20.00	OC21V	ACETONE	
G154DBA	MW-154	02/09/2001	PROFILE	120.00	120.00	20.00	20.00	OC21V	CHLOROFORM	
G154DBA	MW-154	02/09/2001	PROFILE	120.00	120.00	20.00	20.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G154DCA	MW-154	02/09/2001	PROFILE	130.00	130.00	30.00	30.00	OC21V	ACETONE	
G154DCA	MW-154	02/09/2001	PROFILE	130.00	130.00	30.00	30.00	OC21V	CHLOROFORM	
G154DCA	MW-154	02/09/2001	PROFILE	130.00	130.00	30.00	30.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G154DCD	MW-154	02/09/2001	PROFILE	130.00	130.00	30.00	30.00	OC21V	ACETONE	
G154DCD	MW-154	02/09/2001	PROFILE	130.00	130.00	30.00	30.00	OC21V	CHLOROFORM	
G154DDA	MW-154	02/09/2001	PROFILE	140.00	140.00	40.00	40.00	OC21V	ACETONE	
G154DDA	MW-154	02/09/2001	PROFILE	140.00	140.00	40.00	40.00	OC21V	METHYL ETHYL KETONE (2-BUTA	

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SAMPLES COLLECTED 1/10/01-2/28/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G154DEA	MW-154	02/09/2001	PROFILE	150.00	150.00	50.00	50.00	8330N	NITROGLYCERIN	NO
G154DEA	MW-154	02/09/2001	PROFILE	150.00	150.00	50.00	50.00	OC21V	ACETONE	
G154DEA	MW-154	02/09/2001	PROFILE	150.00	150.00	50.00	50.00	OC21V	CHLOROFORM	
G154DFA	MW-154	02/12/2001	PROFILE	160.00	160.00	60.00	60.00	8330N	2,6-DINITROTOLUENE	NO
G154DFA	MW-154	02/12/2001	PROFILE	160.00	160.00	60.00	60.00	8330N	NITROGLYCERIN	NO
G154DFA	MW-154	02/12/2001	PROFILE	160.00	160.00	60.00	60.00	OC21V	ACETONE	
G154DFA	MW-154	02/12/2001	PROFILE	160.00	160.00	60.00	60.00	OC21V	CHLOROFORM	
G154DFA	MW-154	02/12/2001	PROFILE	160.00	160.00	60.00	60.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G154DGA	MW-154	02/12/2001	PROFILE	170.00	170.00	70.00	70.00	OC21V	ACETONE	
G154DGA	MW-154	02/12/2001	PROFILE	170.00	170.00	70.00	70.00	OC21V	CHLOROFORM	
G154DGA	MW-154	02/12/2001	PROFILE	170.00	170.00	70.00	70.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G154DHA	MW-154	02/12/2001	PROFILE	180.00	180.00	80.00	80.00	OC21V	ACETONE	
G154DHA	MW-154	02/12/2001	PROFILE	180.00	180.00	80.00	80.00	OC21V	CHLOROFORM	
G154DIA	MW-154	02/12/2001	PROFILE	190.00	190.00	90.00	90.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G154DIA	MW-154	02/12/2001	PROFILE	190.00	190.00	90.00	90.00	OC21V	ACETONE	
G154DIA	MW-154	02/12/2001	PROFILE	190.00	190.00	90.00	90.00	OC21V	BENZENE	
G154DIA	MW-154	02/12/2001	PROFILE	190.00	190.00	90.00	90.00	OC21V	CHLOROFORM	
G154DIA	MW-154	02/12/2001	PROFILE	190.00	190.00	90.00	90.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G154DJA	MW-154	02/12/2001	PROFILE	200.00	200.00	100.00	100.00	OC21V	ACETONE	
G154DJA	MW-154	02/12/2001	PROFILE	200.00	200.00	100.00	100.00	OC21V	CHLOROFORM	
G154DJA	MW-154	02/12/2001	PROFILE	200.00	200.00	100.00	100.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G154DKA	MW-154	02/12/2001	PROFILE	210.00	210.00	110.00	110.00	OC21V	ACETONE	
G154DKA	MW-154	02/12/2001	PROFILE	210.00	210.00	110.00	110.00	OC21V	CHLOROFORM	
G154DLA	MW-154	02/12/2001	PROFILE	220.00	220.00	120.00	120.00	OC21V	ACETONE	
G154DLA	MW-154	02/12/2001	PROFILE	220.00	220.00	120.00	120.00	OC21V	CHLOROFORM	
G154DNA	MW-154	02/13/2001	PROFILE	240.00	240.00	140.00	140.00	OC21V	CHLOROFORM	
G154DOA	MW-154	02/13/2001	PROFILE	250.00	250.00	150.00	150.00	OC21V	CHLOROFORM	
G154DPA	MW-154	02/13/2001	PROFILE	260.00	260.00	160.00	160.00	OC21V	CHLOROFORM	
G154DQA	MW-154	02/13/2001	PROFILE	270.00	270.00	170.00	170.00	OC21V	CHLOROFORM	
G154DRA	MW-154	02/13/2001	PROFILE	280.00	280.00	180.00	180.00	OC21V	CHLOROFORM	
G154DSA	MW-154	02/13/2001	PROFILE	290.00	290.00	190.00	190.00	OC21V	CHLOROFORM	
G154DTA	MW-154	02/13/2001	PROFILE	300.00	300.00	200.00	200.00	OC21V	CHLOROFORM	

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(UNVALIDATED)
SAMPLES COLLECTED 1/10/01-2/28/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G154DVA	MW-154	02/13/2001	PROFILE	323.00	323.00	223.00	223.00	OC21V	ACETONE	
G154DVA	MW-154	02/13/2001	PROFILE	323.00	323.00	223.00	223.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G155DAA	MW-155	02/21/2001	PROFILE	34.00	34.00	5.30	5.30	8330N	PICRIC ACID	NO
G155DAA	MW-155	02/21/2001	PROFILE	34.00	34.00	5.30	5.30	OC21V	1,2,4-TRICHLOROBENZENE	
G155DAA	MW-155	02/21/2001	PROFILE	34.00	34.00	5.30	5.30	OC21V	ACETONE	
G155DAA	MW-155	02/21/2001	PROFILE	34.00	34.00	5.30	5.30	OC21V	CHLOROFORM	
G155DAA	MW-155	02/21/2001	PROFILE	34.00	34.00	5.30	5.30	OC21V	METHYL ETHYL KETONE (2-BUTA	
G155DBA	MW-155	02/21/2001	PROFILE	40.00	40.00	11.30	11.30	8330N	PICRIC ACID	NO
G155DBA	MW-155	02/21/2001	PROFILE	40.00	40.00	11.30	11.30	OC21V	ACETONE	
G155DBA	MW-155	02/21/2001	PROFILE	40.00	40.00	11.30	11.30	OC21V	CHLOROFORM	
G155DBA	MW-155	02/21/2001	PROFILE	40.00	40.00	11.30	11.30	OC21V	METHYL ETHYL KETONE (2-BUTA	
G155DCA	MW-155	02/22/2001	PROFILE	50.00	50.00	21.30	21.30	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G155DCA	MW-155	02/22/2001	PROFILE	50.00	50.00	21.30	21.30	8330N	PICRIC ACID	NO
G155DCA	MW-155	02/22/2001	PROFILE	50.00	50.00	21.30	21.30	OC21V	ACETONE	
G155DCA	MW-155	02/22/2001	PROFILE	50.00	50.00	21.30	21.30	OC21V	CHLOROFORM	
G155DCA	MW-155	02/22/2001	PROFILE	50.00	50.00	21.30	21.30	OC21V	METHYL ETHYL KETONE (2-BUTA	
G155DCD	MW-155	02/22/2001	PROFILE	50.00	50.00	21.30	21.30	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G155DCD	MW-155	02/22/2001	PROFILE	50.00	50.00	21.30	21.30	8330N	PICRIC ACID	NO
G155DCD	MW-155	02/22/2001	PROFILE	50.00	50.00	21.30	21.30	OC21V	ACETONE	
G155DCD	MW-155	02/22/2001	PROFILE	50.00	50.00	21.30	21.30	OC21V	CHLOROFORM	
G155DCD	MW-155	02/22/2001	PROFILE	50.00	50.00	21.30	21.30	OC21V	METHYL ETHYL KETONE (2-BUTA	
G155DDA	MW-155	02/22/2001	PROFILE	60.00	60.00	31.30	31.30	OC21V	CHLOROFORM	
G155DEA	MW-155	02/22/2001	PROFILE	70.00	70.00	41.30	41.30	OC21V	ACETONE	
G155DEA	MW-155	02/22/2001	PROFILE	70.00	70.00	41.30	41.30	OC21V	CHLOROFORM	
G155DFA	MW-155	02/22/2001	PROFILE	80.00	80.00	51.30	51.30	OC21V	CHLOROFORM	
G155DGA	MW-155	02/22/2001	PROFILE	90.00	90.00	61.30	61.30	OC21V	CHLOROFORM	
G155DHA	MW-155	02/22/2001	PROFILE	100.00	100.00	71.30	71.30	OC21V	CHLOROFORM	
G155DIA	MW-155	02/22/2001	PROFILE	110.00	110.00	81.30	81.30	OC21V	CHLOROFORM	
G155DJA	MW-155	02/22/2001	PROFILE	120.00	120.00	91.30	91.30	OC21V	CHLOROFORM	
G155DKA	MW-155	02/22/2001	PROFILE	130.00	130.00	101.30	101.30	OC21V	CHLOROFORM	
G155DLA	MW-155	02/22/2001	PROFILE	140.00	140.00	111.30	111.30	OC21V	CHLOROFORM	
G155DMA	MW-155	02/22/2001	PROFILE	150.00	150.00	121.30	121.30	OC21V	CHLOROFORM	

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G155DMD	MW-155	02/22/2001	PROFILE	150.00	150.00	121.30	121.30	OC21V	CHLOROFORM	
G155DNA	MW-155	02/22/2001	PROFILE	160.00	160.00	131.30	131.30	OC21V	CHLOROFORM	
G155DOA	MW-155	02/22/2001	PROFILE	170.00	170.00	141.30	141.30	OC21V	CHLOROFORM	
G155DPA	MW-155	02/28/2001	PROFILE	180.00	180.00	151.30	151.30	8330N	PICRIC ACID	NO
G155DPA	MW-155	02/28/2001	PROFILE	180.00	180.00	151.30	151.30	OC21V	ACETONE	
G155DPA	MW-155	02/28/2001	PROFILE	180.00	180.00	151.30	151.30	OC21V	METHYL ETHYL KETONE (2-BUTA	
G155DQA	MW-155	02/28/2001	PROFILE	190.00	190.00	161.30	161.30	8330N	PICRIC ACID	NO
G155DQA	MW-155	02/28/2001	PROFILE	190.00	190.00	161.30	161.30	OC21V	ACETONE	
G155DQA	MW-155	02/28/2001	PROFILE	190.00	190.00	161.30	161.30	OC21V	METHYL ETHYL KETONE (2-BUTA	
G155DSA	MW-155	02/28/2001	PROFILE	210.00	210.00	181.30	181.30	OC21V	ACETONE	
G155DTA	MW-155	02/28/2001	PROFILE	220.00	220.00	191.30	191.30	8330N	PICRIC ACID	NO
G155DTA	MW-155	02/28/2001	PROFILE	220.00	220.00	191.30	191.30	OC21V	ACETONE	
G155DUA	MW-155	02/28/2001	PROFILE	230.00	230.00	201.30	201.30	8330N	PICRIC ACID	NO
G155DUD	MW-155	02/28/2001	PROFILE	230.00	230.00	201.30	201.30	8330N	PICRIC ACID	NO
G156DAA	MW-156	02/28/2001	PROFILE	88.50	88.50	8.00	8.00	OC21V	ACETONE	
G156DAA	MW-156	02/28/2001	PROFILE	88.50	88.50	8.00	8.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G156DBA	MW-156	02/28/2001	PROFILE	90.00	90.00	10.50	10.50	OC21V	ACETONE	
G156DBA	MW-156	02/28/2001	PROFILE	90.00	90.00	10.50	10.50	OC21V	METHYL ETHYL KETONE (2-BUTA	
G156DCA	MW-156	02/28/2001	PROFILE	100.00	100.00	20.50	20.50	OC21V	ACETONE	
G156DCA	MW-156	02/28/2001	PROFILE	100.00	100.00	20.50	20.50	OC21V	METHYL ETHYL KETONE (2-BUTA	
HDA021201AA	HDA021201AA	02/16/2001	SOIL GRID	0.00	0.25			8330N	4-AMINO-2,6-DINITROTOLUENE	NO
HDA021201AA	HDA021201AA	02/16/2001	SOIL GRID	0.00	0.25			8330N	TETRYL	NO

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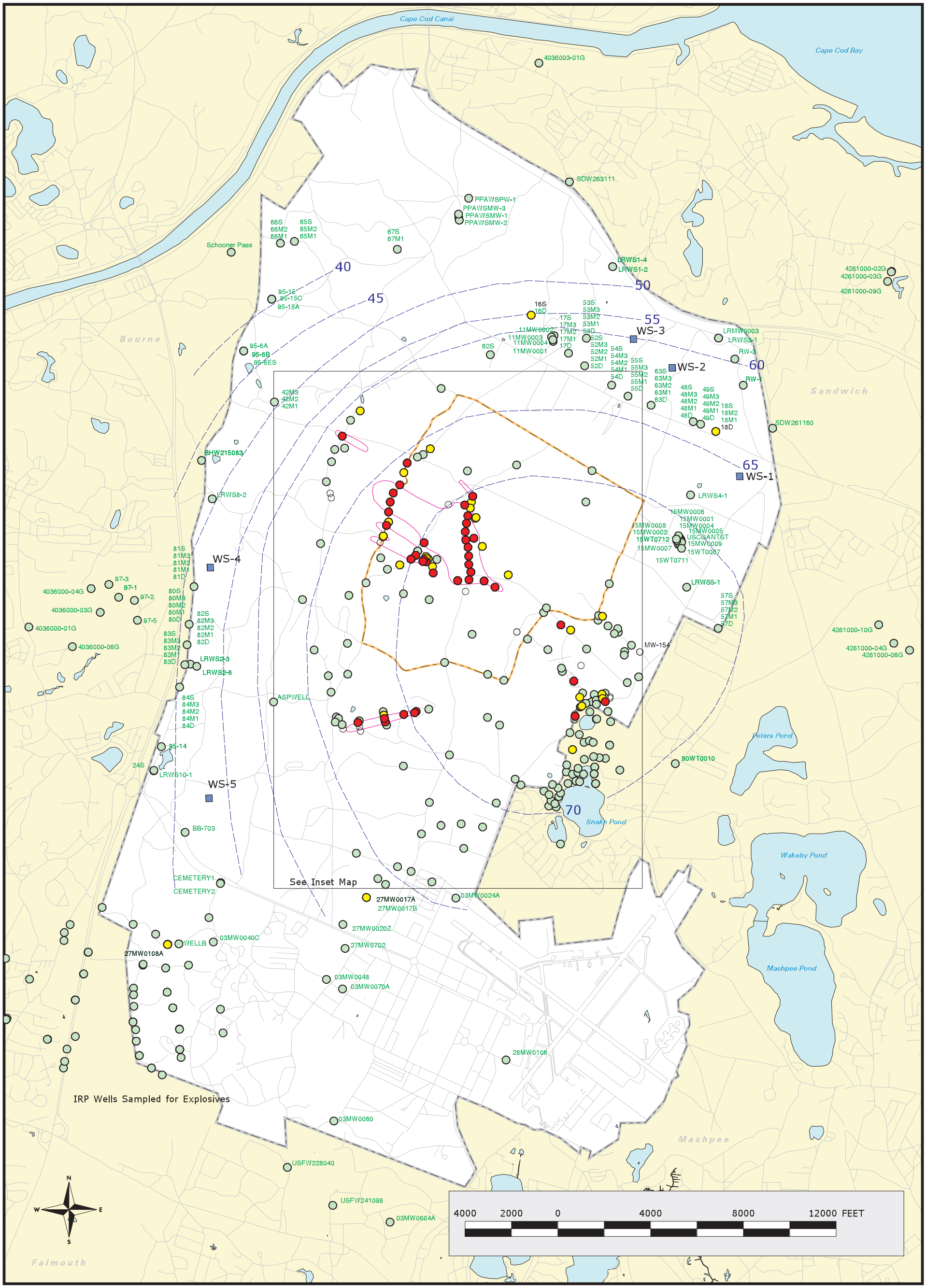
PDA/YES = Photo Diode Array, Detect Confirmed
PDA/NO = Photo Diode Array, Detect Not Confirmed



LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available
- 2.0 ug/l RDX Concentration Contour

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

amec March 08, 2001 DRAFT

Figure 1

Explosives in Groundwater Compared to MCL/HAs Validated Data as of 03/02/01

Analyte Group
1

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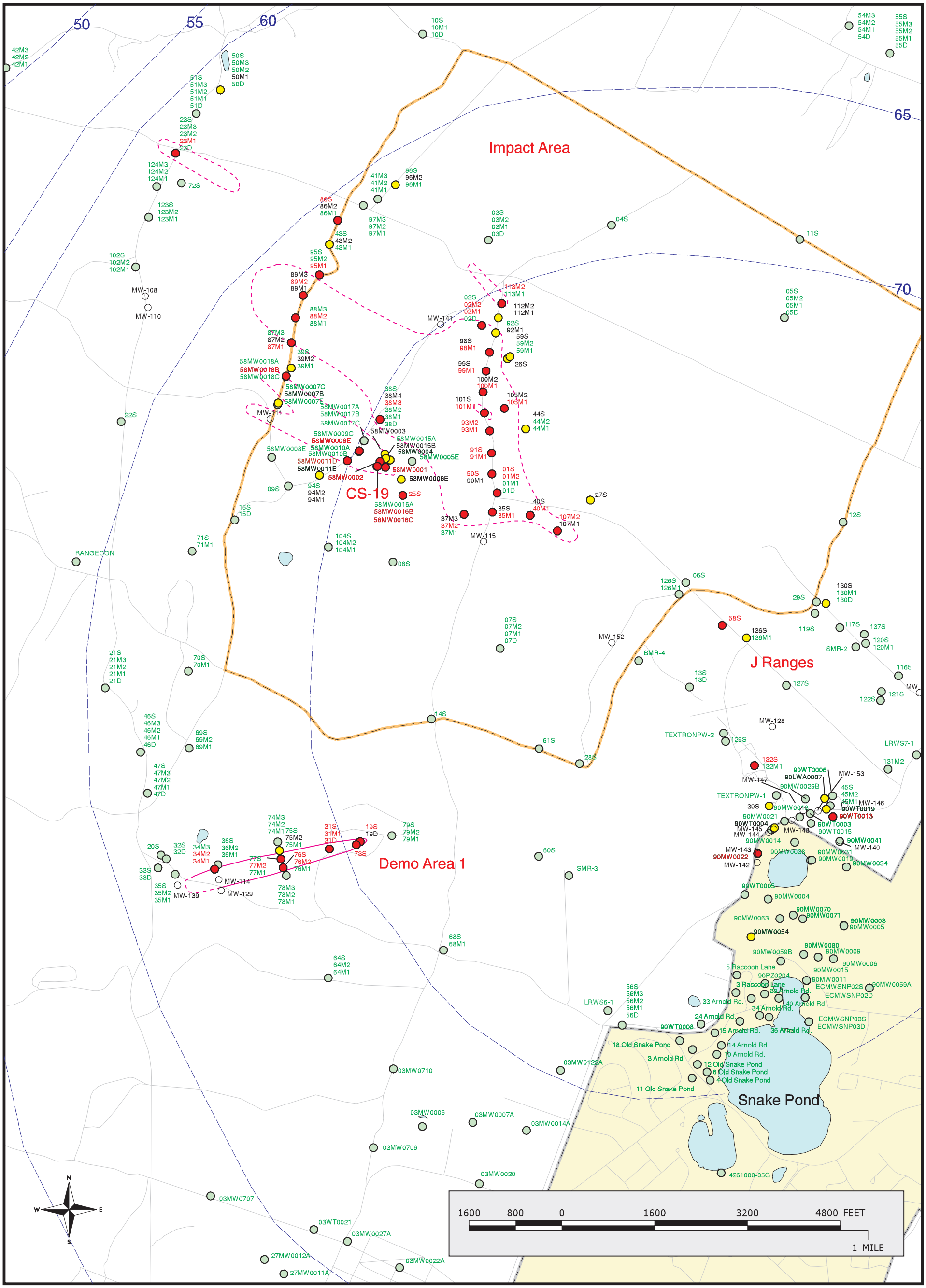

LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available
- 2.0 ug/l RDX Concentration Contour

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

amec March 08, 2001 DRAFT

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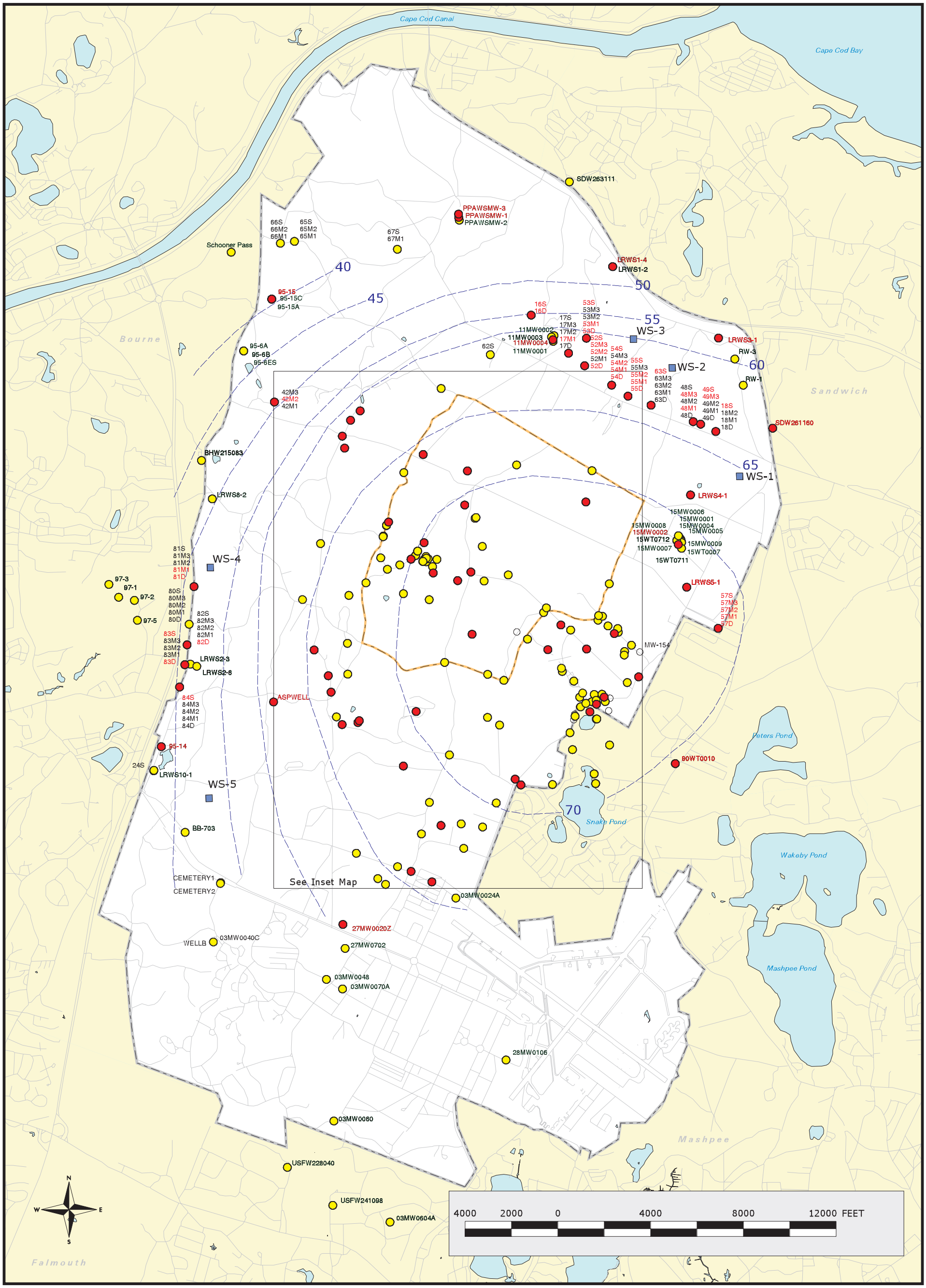
Figure 1 - INSET MAP

Explosives in Groundwater Compared to MCL/HAs Validated Data as of 03/02/01

Analyte Group
1



LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

amec March 08, 2001 DRAFT

Figure 2

Metals in Groundwater Compared to MCL/HAs Validated Data as of 03/02/01

Analyte Group
2

g:\mmr\ai\amls\work\monthly\march2001\metals

Impact Area

50 55 60 65 70

RANGECON

Snake Pond

SMR-2 SMR-3 SMR-4

MW-140 MW-142 MW-143 MW-144 MW-145 MW-146 MW-147 MW-148 MW-152 MW-153

TEXTRONPW-1 TEXTRONPW-2

1600 800 0 1600 3200 4800 FEET

1 MILE

N W E S

LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

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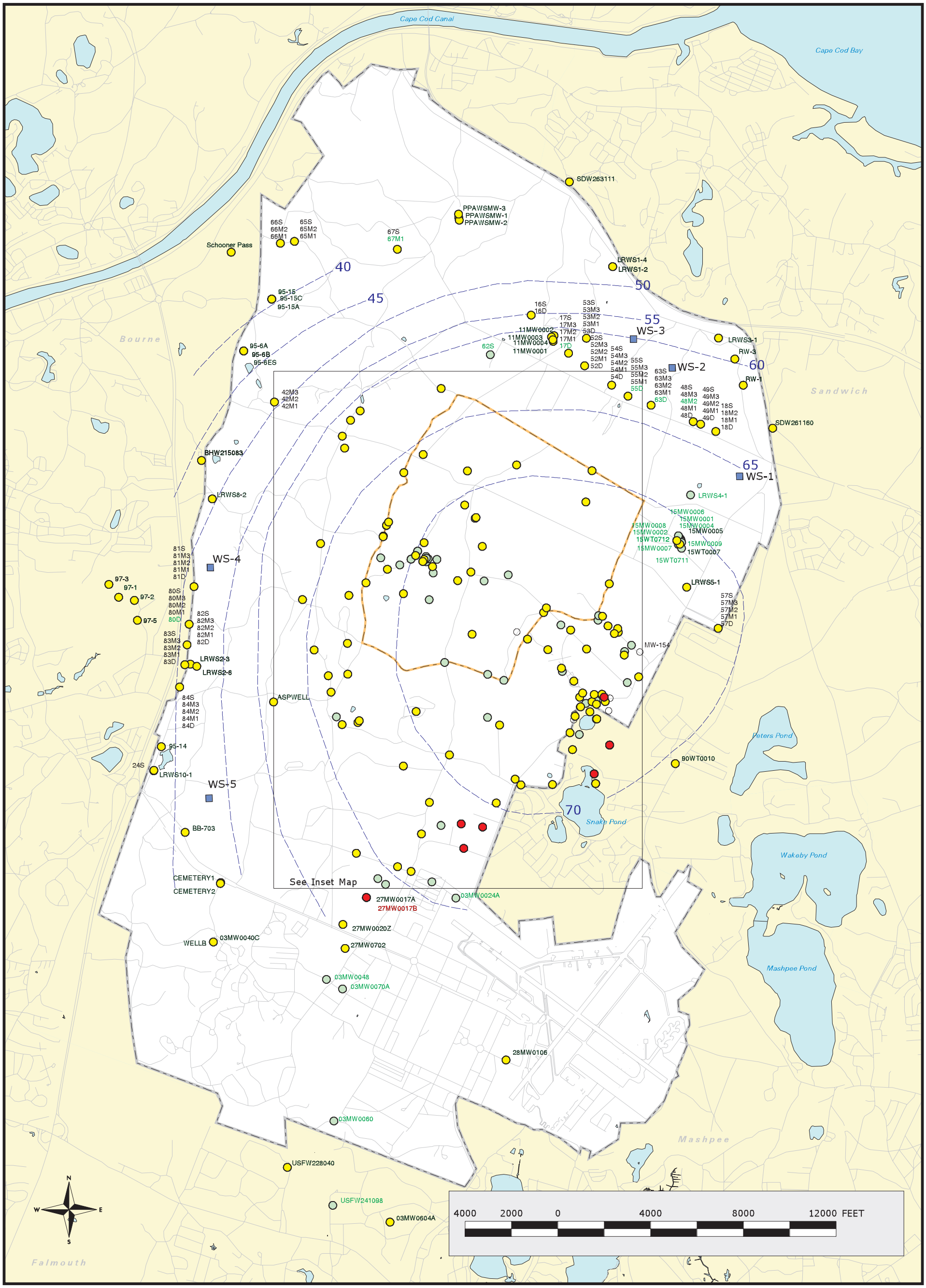
Figure 2 - INSET MAP

Metals in Groundwater
Compared to MCL/HAs
Validated Data as of 03/02/01

Analyte Group
2

g:\mmr\ai\amls\work\monthly\march2001\metals



LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

amec March 08, 2001 DRAFT

Figure 3

VOCs in Groundwater Compared to MCL/HAs Validated Data as of 03/02/01

Analyte Group
3

g:\mmr\ai\amls\work\monthly\march2001\voc

Impact Area

Snake Pond

RANGECON

SMR-2 SMR-3 SMR-4

MW-152

TEXTRONPW-1 TEXTRONPW-2

LRWS6-1 LRWS7-1

ECMWSNP02S ECMWSNP02D ECMWSNP03S ECMWSNP03D

1600 800 0 1600 3200 4800 FEET

1 MILE

N W E S

LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

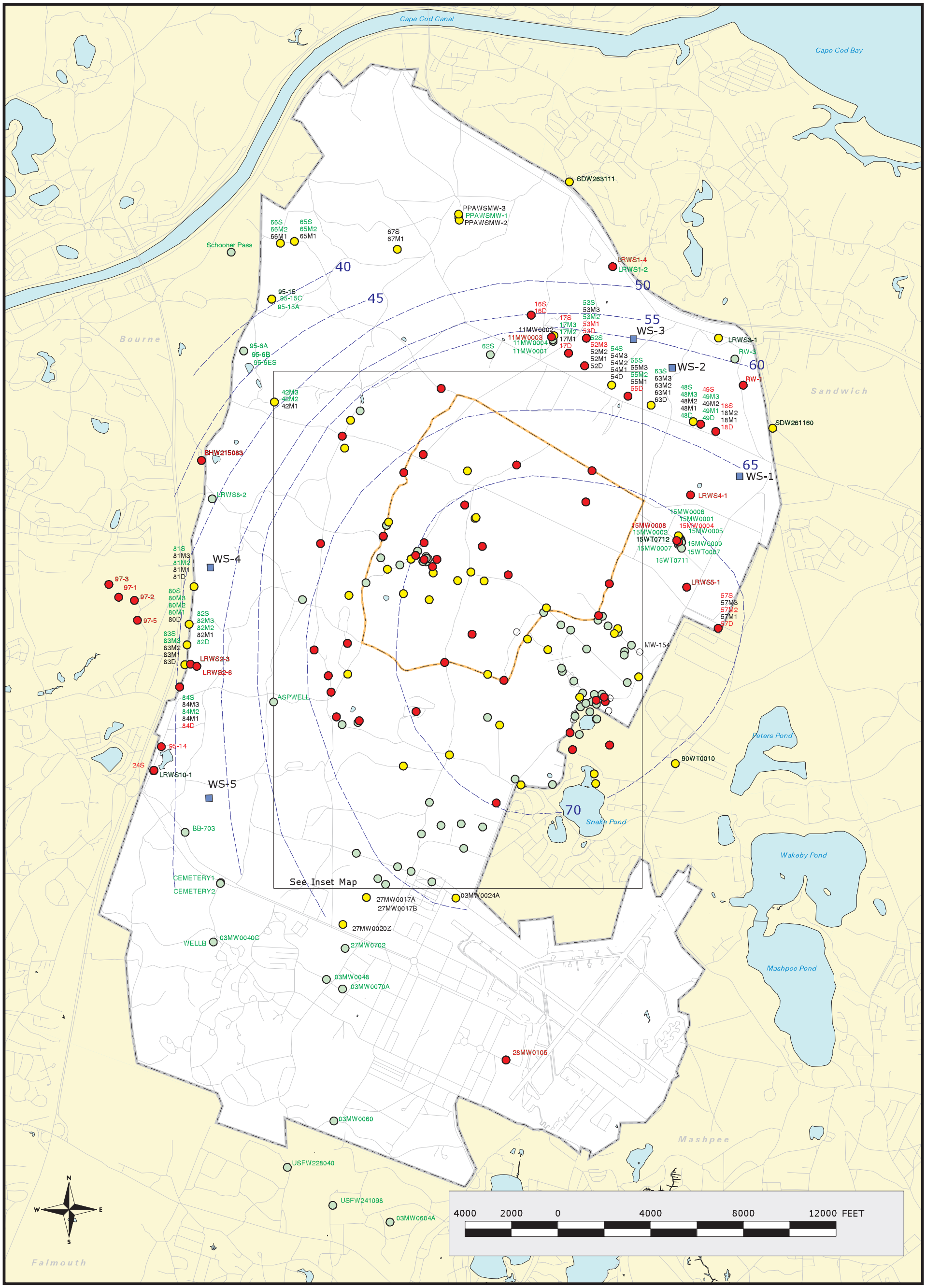
amec March 08, 2001 DRAFT

Figure 3 - INSET MAP

VOCs in Groundwater
Compared to MCL/HAs
Validated Data as of 03/02/01

Analyte Group
3

g:\mmr\ai\amls\work\monthly\march2001\voc



LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

amec March 08, 2001 DRAFT

Figure 4

SVOCs in Groundwater Compared to MCL/HAs Validated Data as of 03/02/01

Analyte Group
4

g:\mmr\ai\amls\work\monthly\march2001\svoc

Impact Area

Snake Pond

RANGECON

MW-152

SMR-4

SMR-2

SMR-3

TEXTRONPW-1

TEXTRONPW-2

LRWS6-1

LRWS7-1

ECMWSNP02S
ECMWSNP02D
ECMWSNP03S
ECMWSNP03D

1600 800 0 1600 3200 4800 FEET

1 MILE

N
W E
S

LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

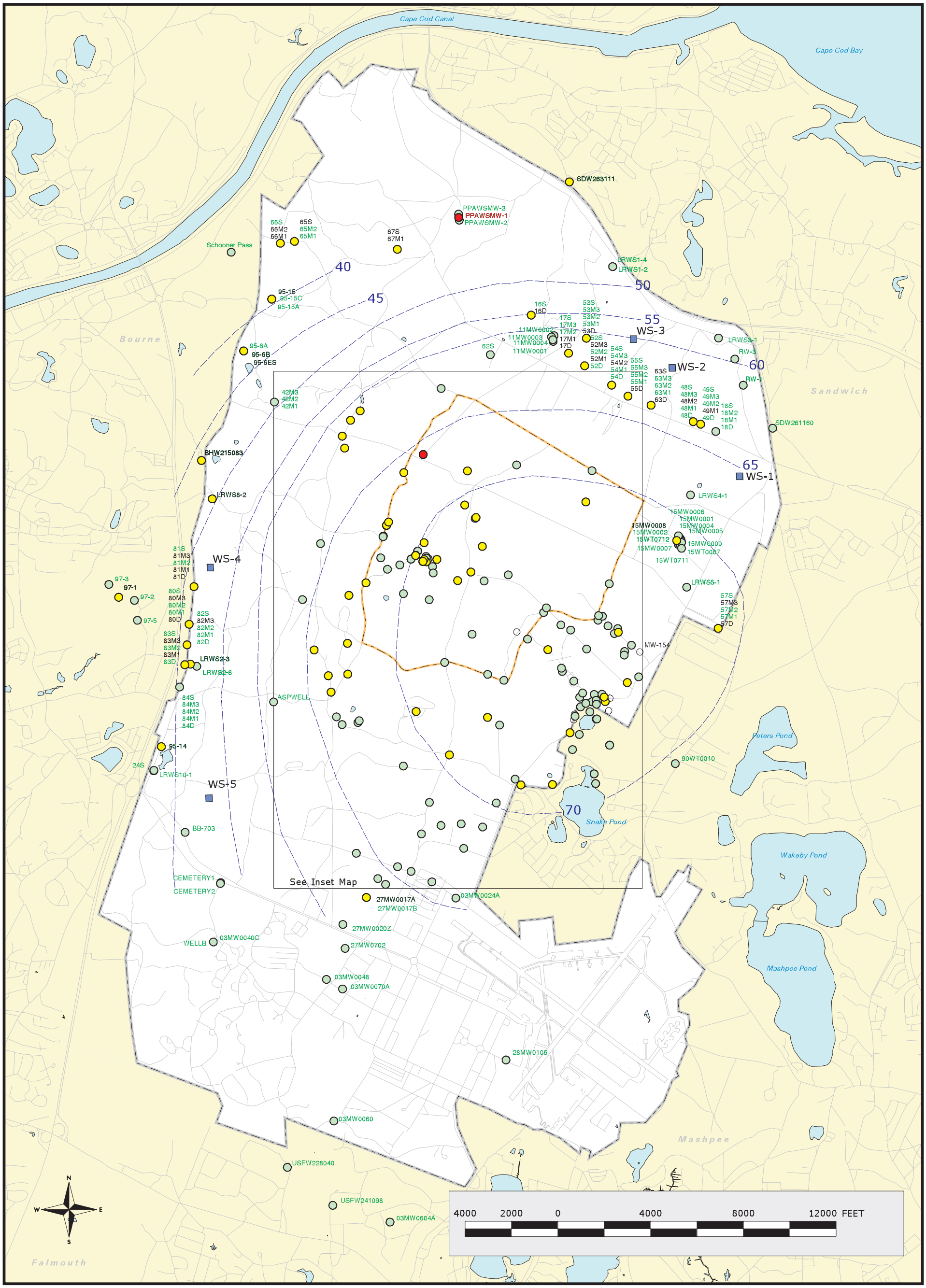
Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

amec March 08, 2001 DRAFT

Figure 4 - INSET MAP
SVOCs in Groundwater
Compared to MCL/HAs
Validated Data as of 03/02/01
Analyte Group
4

g:\mmr\ai\amls\work\monthly\march2001\svoc



LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

amec March 08, 2001 DRAFT

Figure 5

Herbicides and Pesticides in Groundwater Compared to MCL/HAs Validated Data as of 03/02/01

Analyte Group
5

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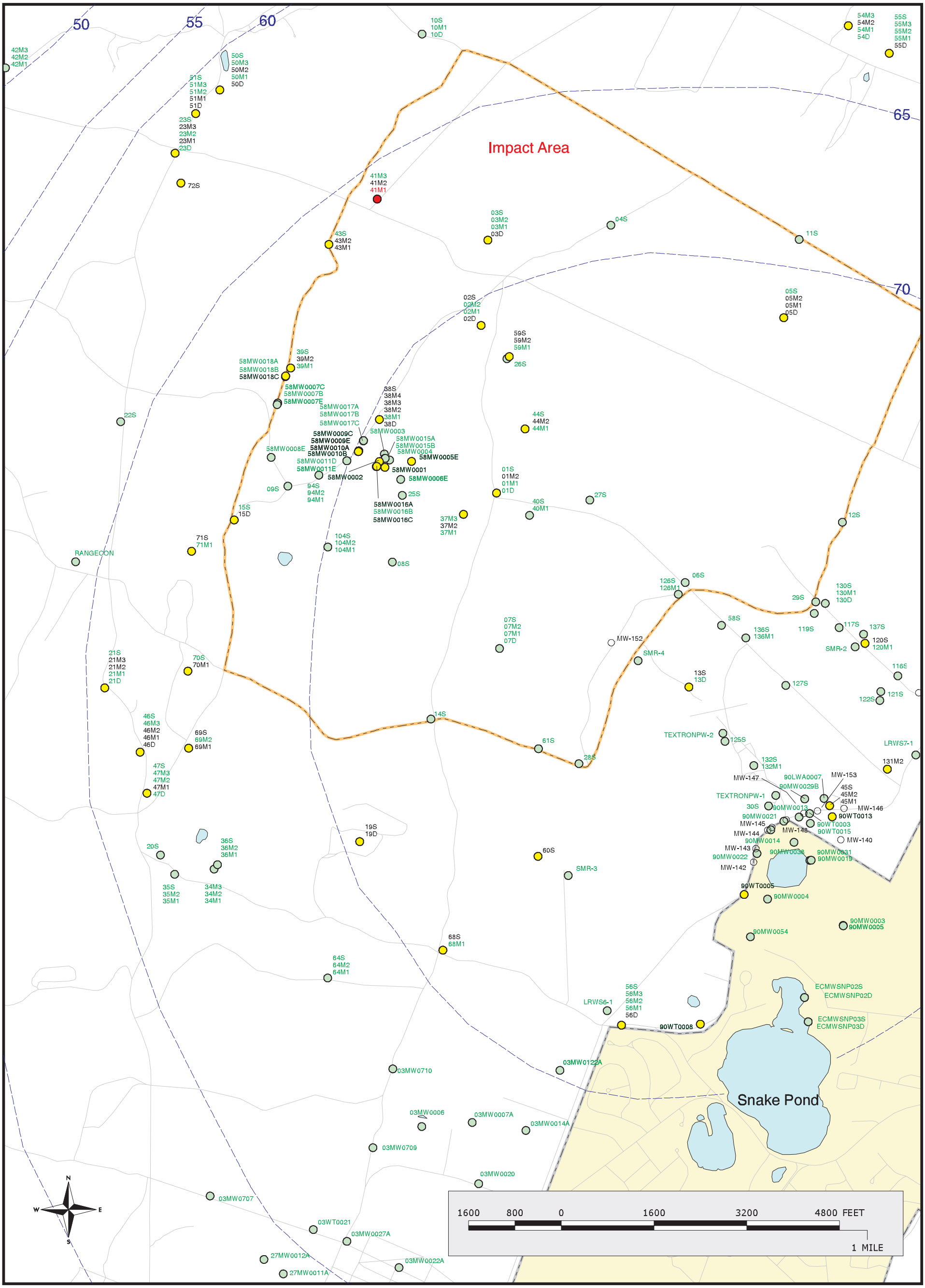

LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

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Figure 5 - INSET MAP

Herbicides and Pesticides in Groundwater Compared to MCL/HAs Validated Data as of 03/02/01

Analyte Group
5

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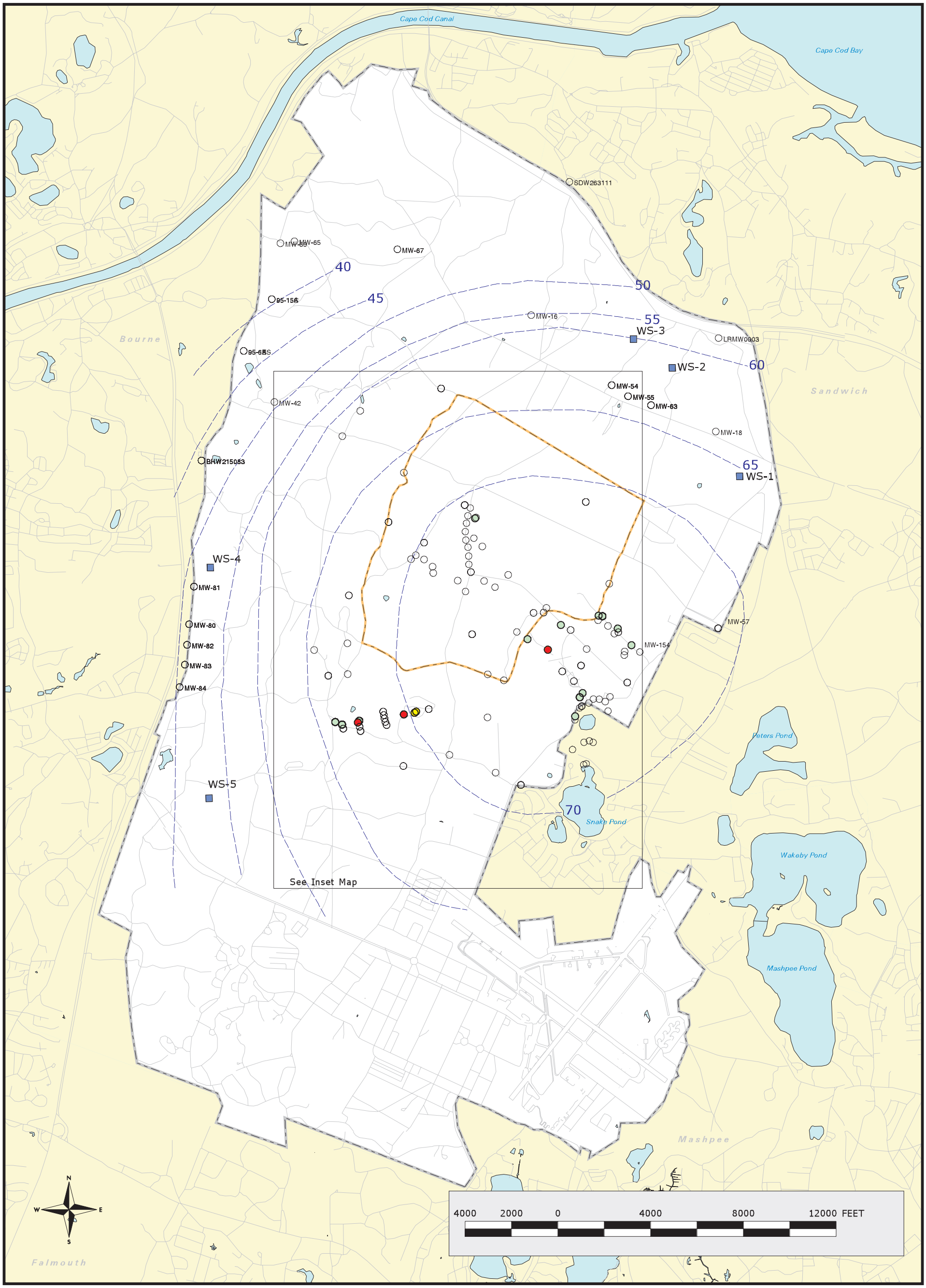

LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

amec March 08, 2001 DRAFT

Figure 6
Perchlorate in Groundwater
Compared to MCL/HAs
Validated Data as of 03/02/01
Analyte Group
6

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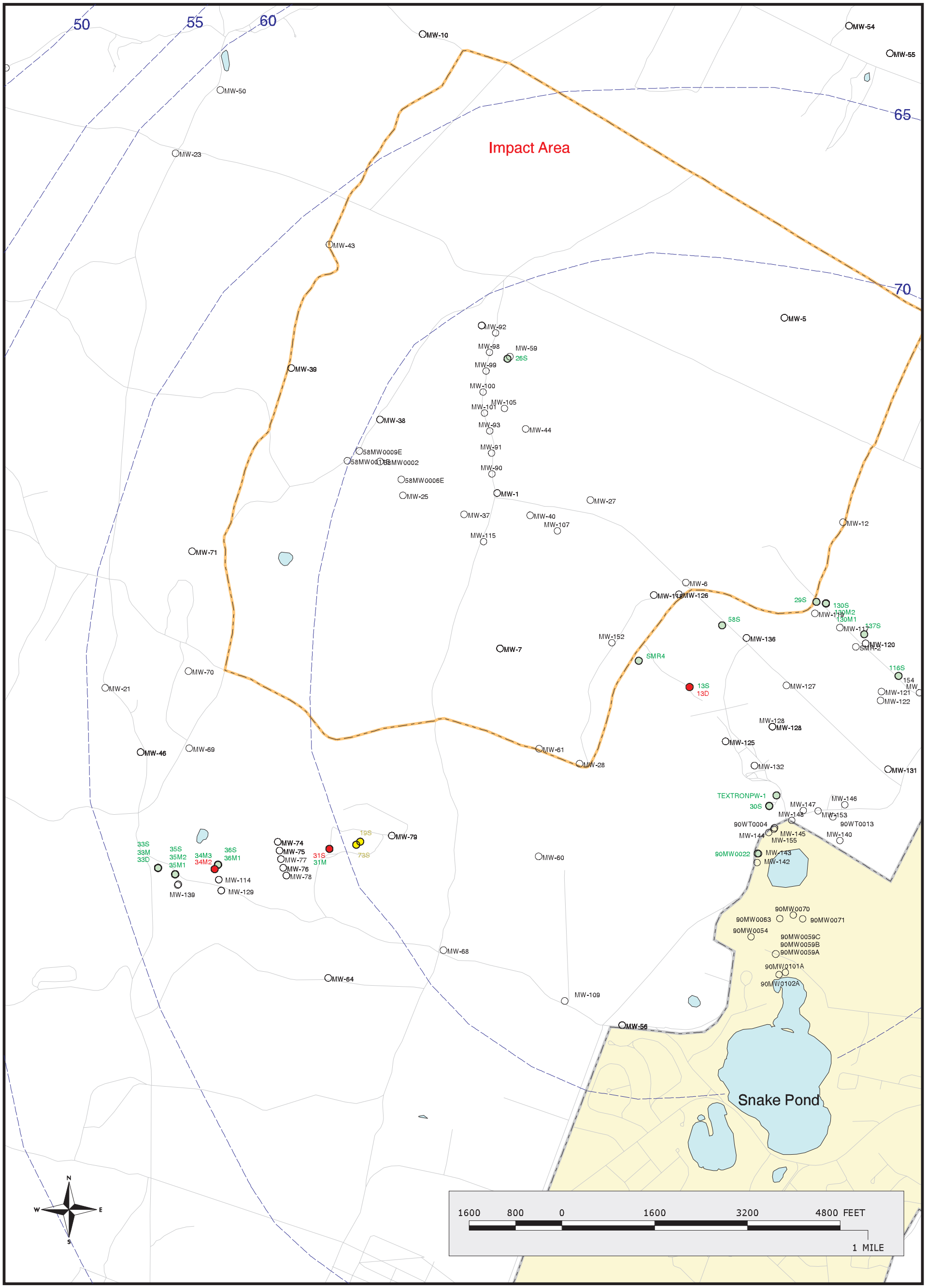

LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

amec March 08, 2001 DRAFT

Figure 6 - INSET MAP
Perchlorate in Groundwater
Compared to MCL/HAs
Validated Data as of 03/02/01
Analyte Group
6

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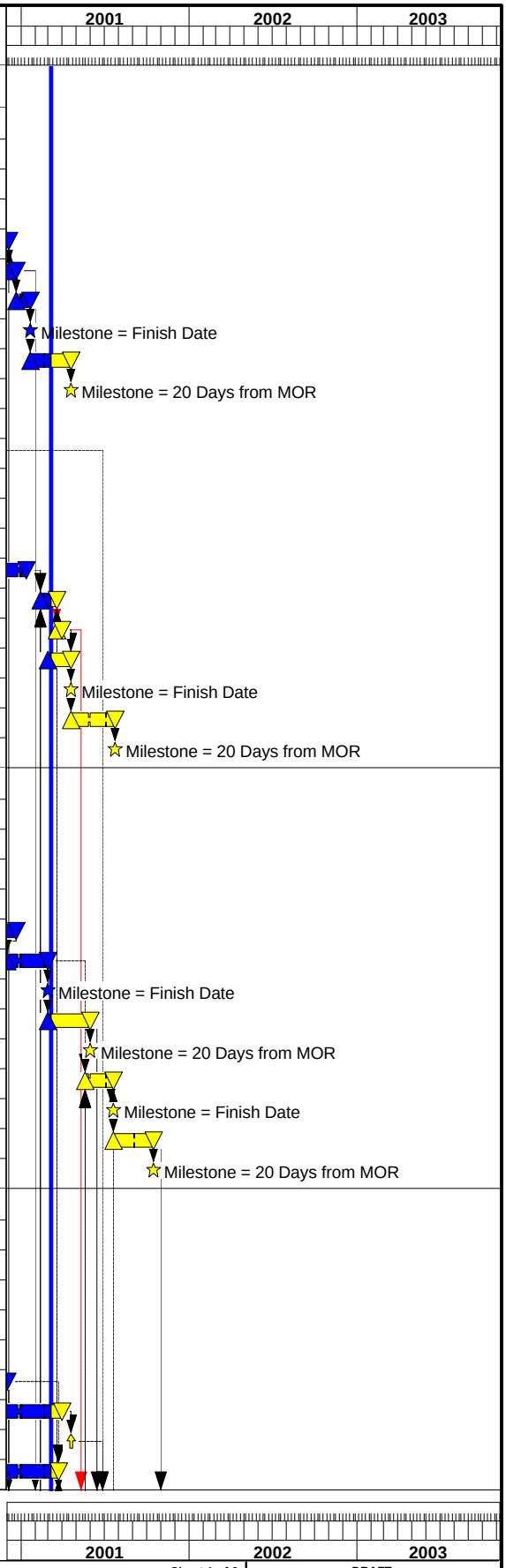
Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Site Characterization (AO1)					
Demo Area 1					
00110	Demo 1 Soil/GW Investigation		0	14OCT99A	23MAR00A
00120	Demo 1 Soil/GW Report Preparation		0	09MAR00A	08JUN00A
00130	Demo 1 Draft Soil/GW Report	YES	0		08JUN00A
00144	Demo 1 Establish GW COCs		0	22AUG00A	05DEC00A
00146	Demo 1 Rvw/Apprv GW COCs		0	06DEC00A	19DEC00A
00148	Demo 1 Prepare Draft GW Report		0	20DEC00A	18JAN01A
00150	Demo 1 Draft GW Report	YES	0		18JAN01A
00152	Demo 1 Revise Draft GW Report		33	19JAN01A	19APR01
00154	Demo 1 Final GW Report	YES	0		19APR01
00160	Demo 1 Geophysics Investigation		0	05JAN00A	15JUN00A
00170	Demo 1 Geophysics Presentation		0		15JUN00A
00175	Start Soil Investigation		0	27JUN00A	
00182	Geophysics Validation		0	24AUG00A	02OCT00A
00180	Soil Investigation		0	27JUN00A	27OCT00A
00181	Soil Analyses & Validation		0	30OCT00A	12JAN01A
00141	Demo 1 Establish Soil COCs		9	12FEB01A	16MAR01
00142	Demo 1 Rvw/Apprv Soil COCs		10	19MAR01	30MAR01
00156	Demo 1 Prepare Draft Soil Report		33	26FEB01A	19APR01
00157	Demo 1 Draft Soil Report	YES	0		19APR01
00158	Demo 1 Revise Draft Soil Report		65	20APR01	23JUL01
00159	Demo 1 Final Soil Report	YES	0		23JUL01
Central Impact Area					
00210	Impact Area Planning		0	23AUG99A	24JAN00A
00220	Impact Area Start Data Collection	YES	0	05JAN00A	
00230	Impact Area Investigation		0	05JAN00A	27JUL00A
00272	Response Plan Preparation		0	03MAY00A	31AUG00A
00274	Response Plan Investigation		0	14JUN00A	20DEC00A
00276	Response Plan Report Prep.		0	27NOV00A	28FEB01A
00278	Response Plan Draft Report (GW)	YES	0		28FEB01A
00280	Response Plan Revise Draft Report		62	01MAR01A	31MAY01
00282	Response Plan Final Report (GW)	YES	0		31MAY01
00286	Prepare Draft Soil Report		40	21MAY01	17JUL01
00288	Submit Draft Soil Report	YES	0		17JUL01
00290	Revise Draft Soil Report		65	18JUL01	17OCT01
00292	Final Soil Report	YES	0		17OCT01
J-2 Range					
00310	J-2 Range Planning		0	08FEB00A	07APR00A
00320	J-2 Range Draft Workplan	YES	0		07APR00A
00330	J-2 Range Rev. Draft Workplan		0	10APR00A	01AUG00A
00340	J-2 Range Final Workplan		0		01AUG00A
00350	J-2 Range Start Data Collection	YES	0	05JUL00A	
00360	J-2 Range Investigation		0	05JUL00A	01DEC00A
00365	J-2 Range Geophysics Survey		17	15MAY00A	28MAR01
00367	J-2 Range Geophysics Prsntatn.		0		18APR01
00370	J-2 Range Report Preparation		11	16NOV00A	20MAR01



Project Start 29FEB00
Project Finish 11AUG05
Data Date 06MAR01
Run Date 12MAR01

Early Bar
Progress Bar

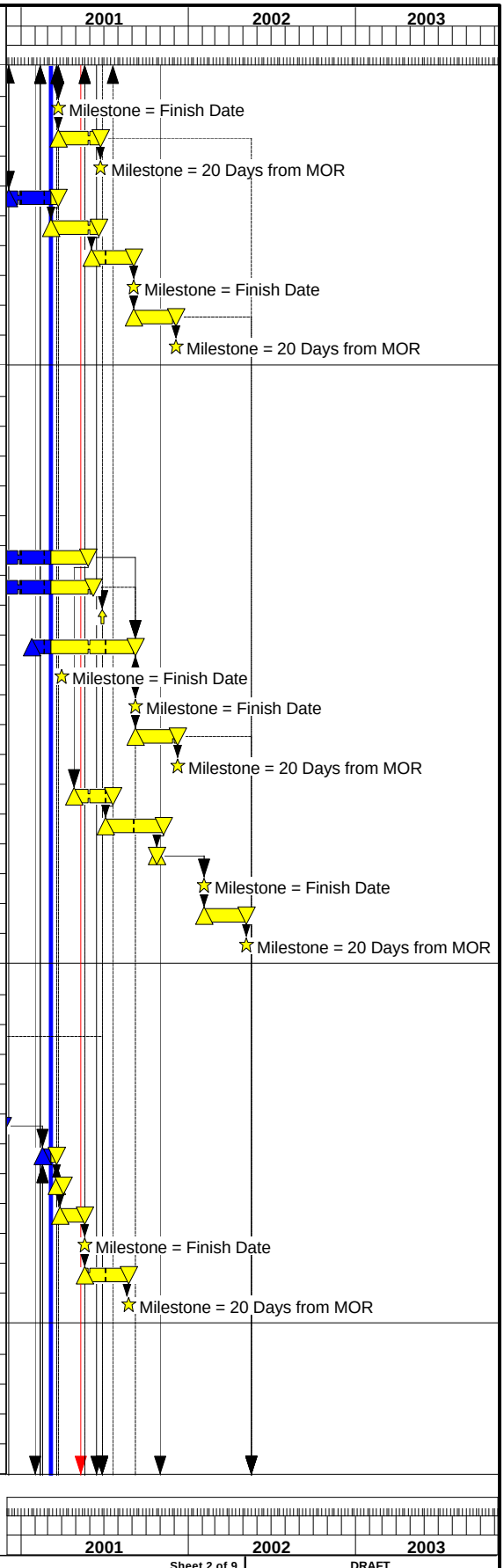
UBER

Figure 7. Combined Schedule for MMR Impact Area Groundwater Study Program as of 3/6/01

DRAFT

Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
J-2 Range					
00380	J-2 Range Draft Report	YES	0		20MAR01
00390	J-2 Range Revise Draft Report		65	21MAR01	20JUN01
00391	J-2 Range Final Report	YES	0		20JUN01
00392	Additional Delineation Planning		13	04DEC00A	22MAR01
00393	Additional Delineation Investigation		72	08MAR01	18JUN01
00394	Additional Delineation Report Prep.		65	04JUN01	04SEP01
00395	Additional Delineation Draft Report	YES	0		04SEP01
00396	Additional Delineation Rev. Draft Report		65	05SEP01	06DEC01
00397	Additional Delineation Final Report	YES	0		06DEC01
J-1/J-3 Range					
00410	J-1/J-3 Range Planning		0	06DEC99A	21APR00A
00420	J-1/J-3 Range Draft Workplan	YES	0		21APR00A
00430	J-1/J-3 Range Rev. Draft Workplan		0	24APR00A	25AUG00A
00440	J-1/J-3 Range Final Workplan		0		25AUG00A
00450	J-1/J-3 Range Start Data Cllctn	YES	0	26JUL00A	
00460	J-1/J-3 Range Investigation		59	26JUL00A	25MAY01
00465	J-1/J-3 Range Geophys. Investigation		66	15MAY00A	06JUN01
00467	J-1/J-3 Range Geophys. Presentation		0		27JUN01
00470	J-1/J-3 Range Report Preparation		129	22JAN01A	05SEP01
00475	J-1/J-3/L Range Interim Results Report	YES	0		30MAR01
00480	J-1/J-3 Range Draft Report	YES	0		05SEP01
00490	J-1/J-3 Range Rev. Draft Report		65	06SEP01	07DEC01
00491	J-1/J-3 Range Final Report	YES	0		07DEC01
00492	Additional Delineation Planning		60	26APR01	20JUL01
00493	Additional Delineation Investigation		88	06JUL01	07NOV01
00494	Additional Delineation Report Prep.		70	24OCT01	04FEB02
00495	Additional Delineation Draft Report	YES	0		04FEB02
00496	Additional Delineation Rev. Draft Report		65	05FEB02	06MAY02
00497	Additional Delineation Final Report	YES	0		06MAY02
Gun/Mortar Positions					
00510	Gun/Mortar Investigation		0	30AUG99A	17APR00A
00515	Gun/Mortar Geophys. Presentation		0		23MAR00A
00520	Gun/Mortar Report Preparation		0	24MAR00A	07JUL00A
00530	Gun/Mortar Draft Report	YES	0		07JUL00A
00540	Gun/Mortar Report MOR		0	10JUL00A	16NOV00A
00542	Gun/Mortar Establish COCs		10	16FEB01A	19MAR01
00544	Gun/Mortar Rev/Apprv COCs		10	20MAR01	02APR01
00546	Gun/Mortar Prepare Draft Final Report		40	26MAR01	18MAY01
00548	Gun/Mortar Draft Final Report	YES	0		18MAY01
00549	Gun/Mortar Rev. Draft Final		65	21MAY01	21AUG01
00550	Gun/Mortar Final Report	YES	0		21AUG01
Trenches, Bunkers, Ground Scars					
00610	Trenches Draft Workplan		0	04OCT99A	
00620	Trenches Rev. Draft Workplan		0	05OCT99A	06DEC99A
00630	Trenches Final Workplan		0		06DEC99A
00640	Trenches Start Data Collection	YES	0	06DEC99A	



Project Start 29FEB00
Project Finish 11AUG05
Data Date 06MAR01
Run Date 12MAR01

Early Bar
Progress Bar

UBER

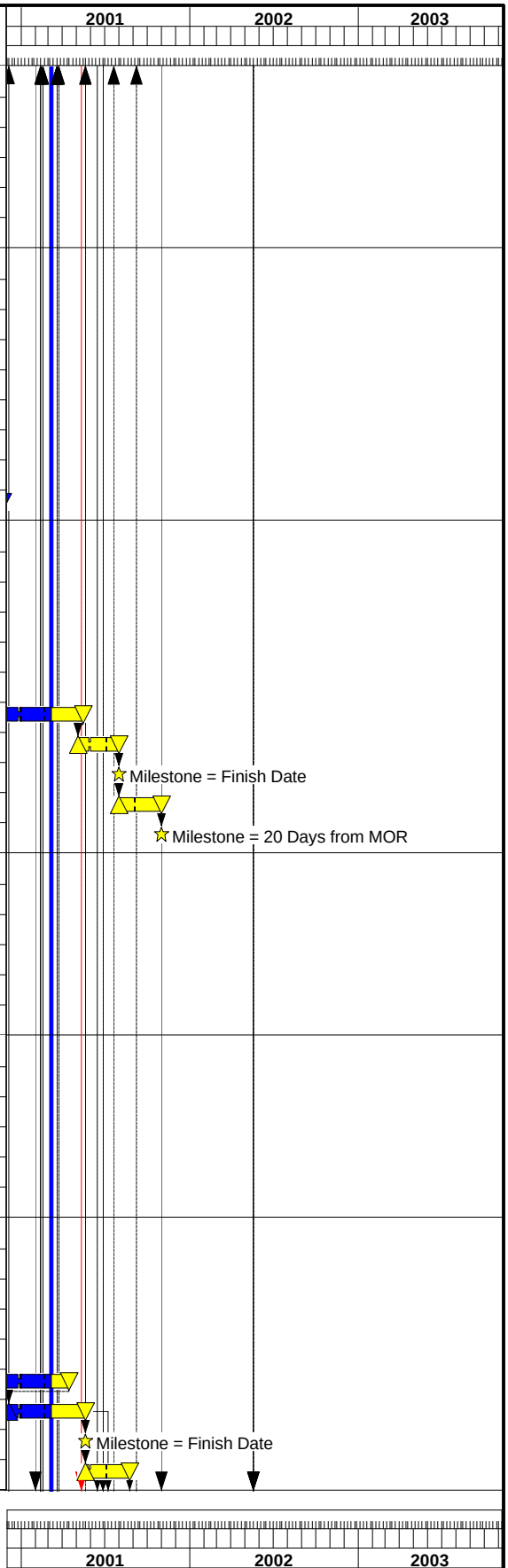
Sheet 2 of 9

Figure 7. Combined Schedule for MMR Impact Area Groundwater Study Program as of 3/6/01

DRAFT

Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Trenches, Bunkers, Ground Scars					
00650	Trenches Investigation		0	06DEC99A	13MAR00A
00660	Trenches Report Preparation		0	28FEB00A	23MAY00A
00670	Trenches Draft Report	YES	0		23MAY00A
00680	Trenches Revise Draft Report		0	24MAY00A	18SEP00A
00690	Trenches Final Report	YES	0		18SEP00A
Mortar Targets					
00710	Mortar Targets Draft Workplan		0	04OCT99A	
00720	Mortar Targets Revise Draft Workplan		0	05OCT99A	03DEC99A
00730	Mortar Targets Final Workplan		0		03DEC99A
00740	Mortar Targets Start Data Cllctn	YES	0	06DEC99A	
00750	Mortar Targets Investigation		0	06DEC99A	23JUN00A
00760	Mortar Targets Report Preparation		0	18MAY00A	02AUG00A
00770	Mortar Targets Draft Report	YES	0		02AUG00A
00780	Mortar Targets Report MOR		0	03AUG00A	16NOV00A
Training Areas					
00810	Training Areas Planning		0	01APR99A	22JUL99A
00820	Training Areas Draft Workplan		0		22JUL99A
00830	Training Areas Rev. Draft Workplan		0	23JUL99A	23MAR00A
00840	Training Areas Final Workplan	YES	0		23MAR00A
00850	Training Areas Start Data Cllctn	YES	0	20MAR00A	
00860	Training Areas Investigation		51	20MAR00A	15MAY01
00870	Training Areas Report Preparation		62	02MAY01	30JUL01
00880	Training Areas Draft Report	YES	0		30JUL01
00890	Training Areas Rev. Draft Report		65	31JUL01	30OCT01
00895	Training Areas Final Report	YES	0		30OCT01
KD/U Ranges					
00910	KD/U Investigation		0	10MAY99A	18OCT99A
00920	KD/U Report Preparation		0	27SEP99A	03NOV99A
00930	KD/U Draft Report		0		03NOV99A
00940	KD/U Revise Draft Report		0	04NOV99A	16JUN00A
00950	KD/U Final Report		0		16JUN00A
J-3 Wetland					
01010	J-3 Wetland Investigation		0	15APR99A	18MAY99A
01020	J-3 Wetland Report Preparation		0	13MAY99A	04NOV99A
01030	J-3 Wetland Draft Report		0		04NOV99A
01040	J-3 Wetland Revise Draft Report		0	05NOV99A	20JUL00A
01050	J-3 Wetland Final Report		0		20JUL00A
High Use Target Area 1					
01110	HUTA Planning		0	10JAN00A	24APR00A
01120	HUTA Draft Workplan		0		24APR00A
01130	HUTA Revise Draft Workplan		0	24APR00A	27OCT00A
01140	HUTA Final Workplan		0		27OCT00A
01160	HUTA Investigation		29	17JUL00A	13APR01
01170	HUTA Report Preparation		54	04DEC00A	18MAY01
01180	HUTA Draft Report	YES	0		18MAY01
01190	HUTA Revise Draft Report		65	21MAY01	21AUG01



Project Start 29FEB00
Project Finish 11AUG05
Data Date 06MAR01
Run Date 12MAR01

Early Bar
Progress Bar

UBER

Sheet 3 of 9

Figure 7. Combined Schedule for MMR Impact Area Groundwater Study Program as of 3/6/01

DRAFT

Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
High Use Target Area 1					
01195	HUTA Final Report	YES	0		21AUG01
Water Bodies					
01210	Water Body Geophys. Investig.		0	19NOV99A	16JUN00A
01220	Water Body Geophys. Present.		0		13JUL00A
Slit Trench					
01310	Slit Trench Geophys. Investig.		0	01MAY00A	16JUN00A
01320	Slit Trench Geophys. Present.		0		27JUL00A
Impact Area Targets					
01410	Targets Draft Workplan		0	24APR00A	31MAY00A
01420	Targets Revise Draft Workplan		0	01JUN00A	08AUG00A
01430	Targets Final Workplan		0		08AUG00A
01440	Targets Start Data Cllctn	YES	0	01AUG00A	
01450	Targets Investigation (Phase 1)		0	01AUG00A	01NOV00A
01460	Targets Report Preparation		0	23OCT00A	22JAN01A
01470	Targets Draft Report (Phase 1)	YES	0		22JAN01A
01480	Targets Rev. Draft Report		37	23JAN01A	25APR01
01490	Targets Final Report (Phase 1)	YES	0		25APR01
Phase II(b)					
01500	Phase II(b) Draft Workplans		0	01JUN00A	31AUG00A
01510	Revise Draft Workplans		0	01SEP00A	16NOV00A
01520	Phase II(b) Final Workplans		0		17NOV00A
01530	Phase II(b) Investigations		39	15JAN01A	27APR01
01540	Phase II(b) Report Preparation		60	30APR01	24JUL01
01550	Phase II(b) Draft Report	YES	0		24JUL01
01560	Revise Draft Report		65	25JUL01	24OCT01
01570	Phase II(b) Final Report	YES	0		24OCT01
Fate and Transport Modeling					
07100	Modeling Planning		0	01JAN99A	22JUL99A
07110	Draft Modeling Proposal		0		22JUL99A
07120	Revise Modeling Proposal		0	23JUL99A	16MAY00A
07130	Develop Model Parameters		0	17MAY00A	19DEC00A
Groundwater Monitoring Programs					
08100	Water Supply (Qrtrly & Annual)	YES	0	12JUL99A	29DEC00A
08110	Phase I Wells	YES	0	01SEP97A	30NOV99A
08120	Far Field Group 1 Wells	YES	0	17FEB99A	22NOV99A
08130	Supplemental IRP Wells	YES	0	08APR99A	04FEB00A
08140	Phase II (a) Wells	YES	0	30MAR99A	11MAY00A
08150	Far Field Group 2 Wells	YES	0	21SEP99A	14APR00A
08160	Far Field New Group 2 Wells		0	21OCT99A	07JUL00A
08170	Gun/Mortar Position Wells	YES	0	01NOV99A	04MAY00A
08180	Demo 1 1999 Response Wells		0	20JAN00A	03AUG00A
08190	Impact Area 2000 Response Wells		104	28APR00A	31JUL01
08200	CY 2000 Interim LT Monitoring		0	02MAY00A	29DEC00A
Analytical Methods					
08510	Draft PEP Report Preparation		0	05NOV98A	30NOV98A
08520	Draft PEP Report	YES	0		30NOV98A

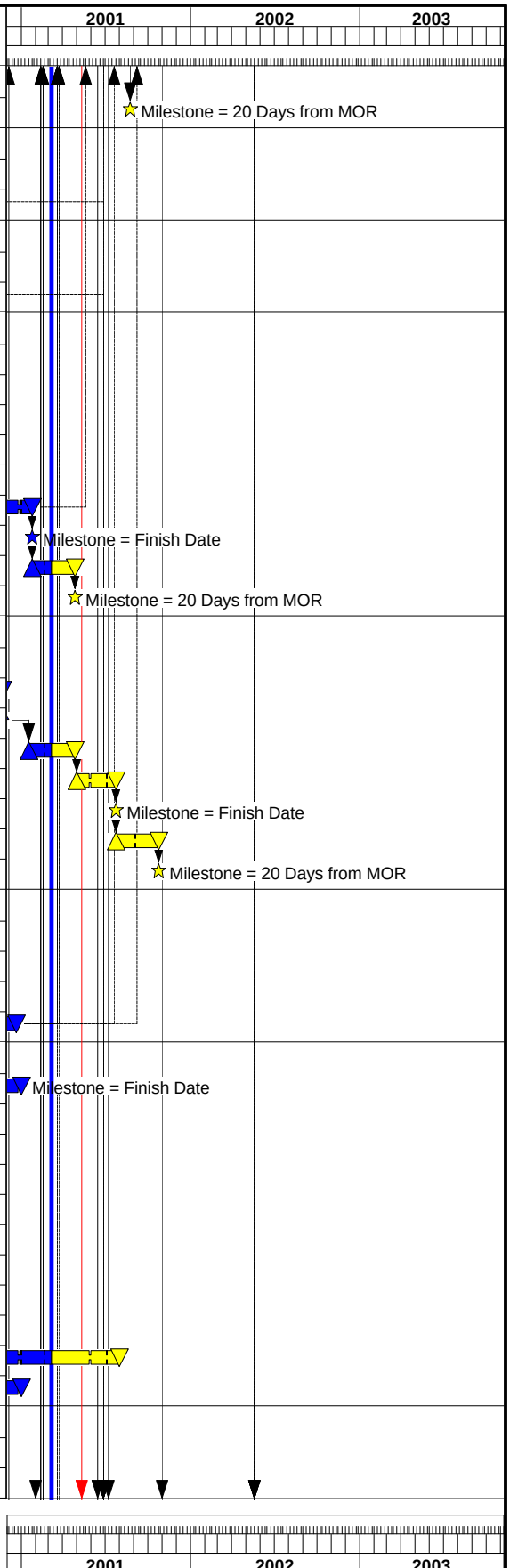


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Figure 7. Combined Schedule for MMR Impact Area Groundwater Study Program as of 3/6/01

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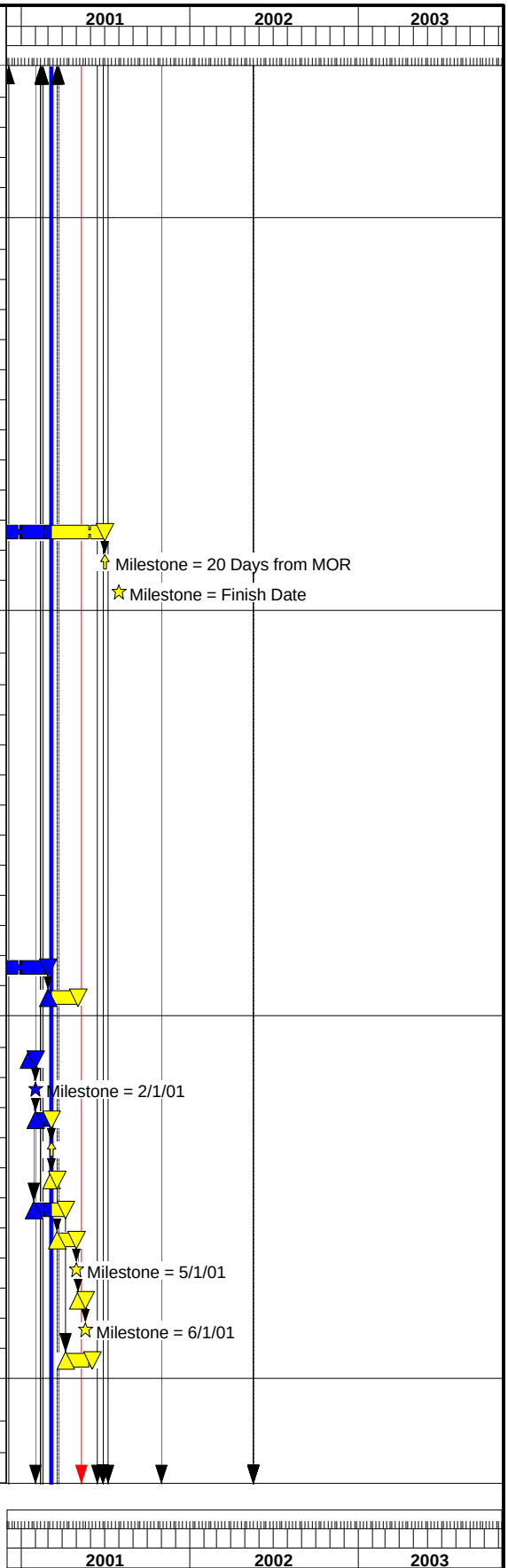
Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Analytical Methods					
08530	Revise Draft PEP Report		0	01DEC98A	26JUN00A
08540	Final PEP Report		0		26JUN00A
08560	Scoping Dioxin Method		0	01DEC99A	27JAN00A
08570	Scoping Perchlorate Method		0	06OCT99A	24FEB00A
Reports					
09160	Phase II Interim Results Preparation		0	01SEP99A	01NOV99A
09170	Phase II Interim Results Report		0		01NOV99A
09180	Background GW Report Prep		0	01NOV99A	10DEC99A
09190	Draft Background GW Report		0		10DEC99A
09200	Draft ILTGM Plan Preparation		0	06JAN00A	01MAR00A
09210	Draft ILTGM Plan		0		02MAR00A
09220	Revise Draft ILTGM Plan		0	02MAR00A	18AUG00A
09230	Final ILTGM Plan		0		18AUG00A
09290	Draft Geophysics Report	YES	0	30OCT00A	
09300	Revise Draft Geophysics Report		83	30OCT00A	29JUN01
09310	Final Geophysics Report	YES	0		29JUN01
09330	Submit Draft Revised ASR	YES	0		31JUL01
Rapid Response Actions (AO3)					
Group 1 (KD, J-3, GP-16, APC)					
10110	RRA Workplan Preparation		0	31JAN00A	01MAR00A
10120	Draft RRA Workplan	YES	0		01MAR00A
10130	Revise Draft RRA Workplan		0	02MAR00A	07AUG00A
10140	Final RRA Workplan		0		07AUG00A
10150	Pre-RRA Implementation		0	14FEB00A	22SEP00A
10155	RRA Source Control		0	17JUL00A	29SEP00A
10160	RRA Source Control Complete	YES	0		29SEP00A
10170	RRA Site Restoration		0	02OCT00A	26OCT00A
10180	RRA Site Restoration Complete	YES	0		26OCT00A
10190	RRA Innovative Treatment		0	17JUL00A	27FEB01A
10195	RRA Completion of Work Report		41	28FEB01A	01MAY01
Group 2 (Target 9, Former H Range)					
11110	RRA Workplan Addendum Prep		0	16JAN01A	31JAN01A
11120	Draft RRA Workplan Addendum	YES	0		31JAN01A
11130	Revise Draft RRA Workplan Add.		3	01FEB01A	08MAR01
11140	Final RRA Workplan Addendum		0		08MAR01
11150	Agency Approval of Final WP		6	09MAR01	16MAR01
11160	Pre-RRA Implementation		23	29JAN01A	05APR01
11200	RRA Soil Removal		30	20MAR01	30APR01
11210	RRA Soil Removal Complete	YES	0		30APR01
11220	RRA Site Restoration		13	02MAY01	18MAY01
11230	RRA Site Restoration Complete	YES	0		18MAY01
11240	RRA Soil Treatment		41	06APR01	04JUN01
Feasibility Studies (AO3)					
FS Workplan					
20110	FS Workplan Preparation		0	14FEB00A	06APR00A



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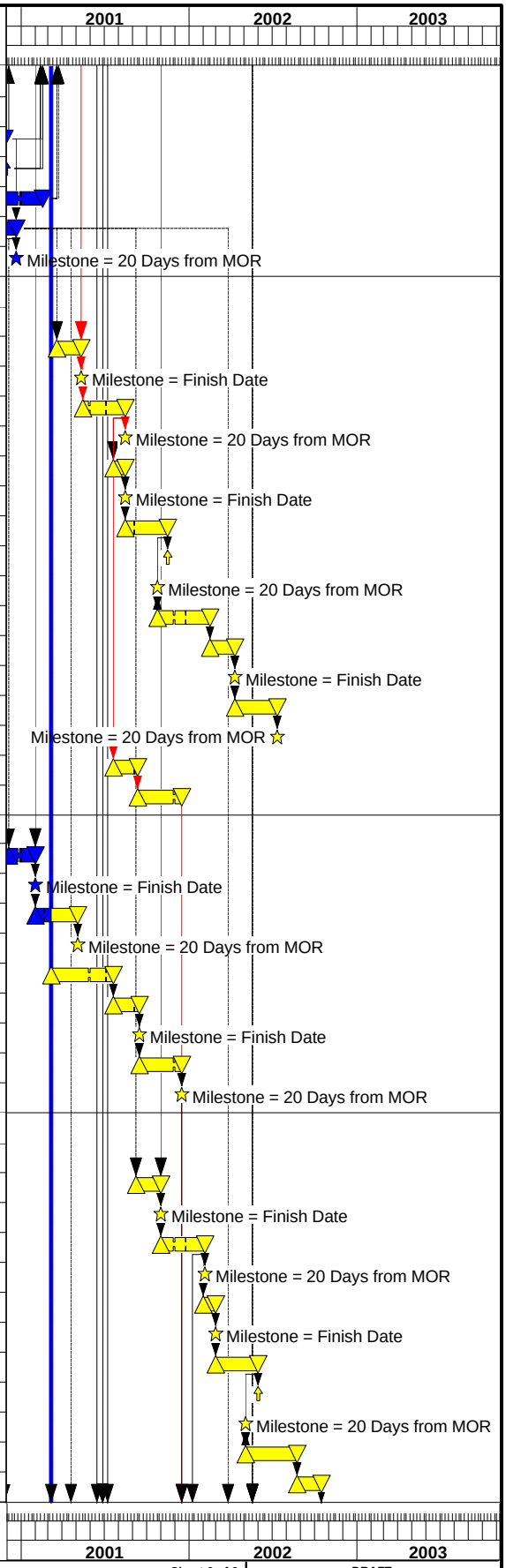
FS Workplan					
20120	FS Draft Workplan	YES	0		06APR00A
20123	Develop COPC/COC Process		0	10AUG00A	17NOV00A
20124	EPA provide MMR SSLs/PRGs		0		21NOV00A
20125	Develop Soil Background		0	22AUG00A	15FEB01A
20130	FS Revise Draft Workplan		0	10APR00A	19DEC00A
20140	FS Final Workplan	YES	0		19DEC00A
Demo Area 1					
Soil Operable Unit					
21170	FS Screening Report Preparation		40	19MAR01	11MAY01
21180	Draft FS Screening Report	YES	0		11MAY01
21190	Revise Draft FS Screening Report		65	14MAY01	14AUG01
21200	Final FS Screening Report	YES	0		14AUG01
21210	Post-Screening Invest. Workplan Prep.		22	18JUL01	16AUG01
21220	Draft Post-Screening Invest. Workplan	YES	0		16AUG01
21230	Revise Draft PSI Workplan		65	17AUG01	16NOV01
21240	Final Post-Screening Workplan		0		16NOV01
21250	Start Post-Screening Investigation	YES	0	22OCT01	
21260	Post-Screening Investigation		80	22OCT01	14FEB02
21310	FS Preparation		40	15FEB02	11APR02
21320	Draft FS	YES	0		11APR02
21330	Revise Draft FS		65	12APR02	11JUL02
21340	Final FS	YES	0		11JUL02
21350	(Draft FS if no PSI)		40	18JUL01	12SEP01
21360	(Final FS if no PSI)		65	13SEP01	14DEC01
Groundwater Operable Unit					
21510	FS Screening Report Preparation		0	06DEC00A	31JAN01A
21520	Draft FS Screening Report	YES	0		31JAN01A
21530	Revise Draft FS Screening Report		43	01FEB01A	03MAY01
21540	Final FS Screening Report	YES	0		03MAY01
21600	ITE Treatability Studies		95	06MAR01*	18JUL01
21650	FS Preparation		40	19JUL01	13SEP01
21660	Draft FS	YES	0		13SEP01
21670	Revise Draft FS		65	14SEP01	17DEC01
21680	Final FS	YES	0		17DEC01
Central Impact Area					
Soil Operable Unit					
22110	FS Screening Report Preparation		40	06SEP01	31OCT01
22120	Draft FS Screening Report	YES	0		31OCT01
22130	Revise Draft FS Screening Report		65	01NOV01	05FEB02
22140	Final FS Screening Report	YES	0		05FEB02
22150	Post-Screening Invest. Workplan Prep.		22	30JAN02	28FEB02
22160	Draft Post-Screening Invest. Workplan	YES	0		28FEB02
22170	Revise Draft PSI Workplan		65	01MAR02	30MAY02
22180	Final Post-Screening Workplan		0		30MAY02
22190	Start Post-Screening Investigation	YES	0	03MAY02	
22200	Post-Screening Investigation		80	03MAY02	22AUG02
22210	FS Preparation		40	23AUG02	17OCT02



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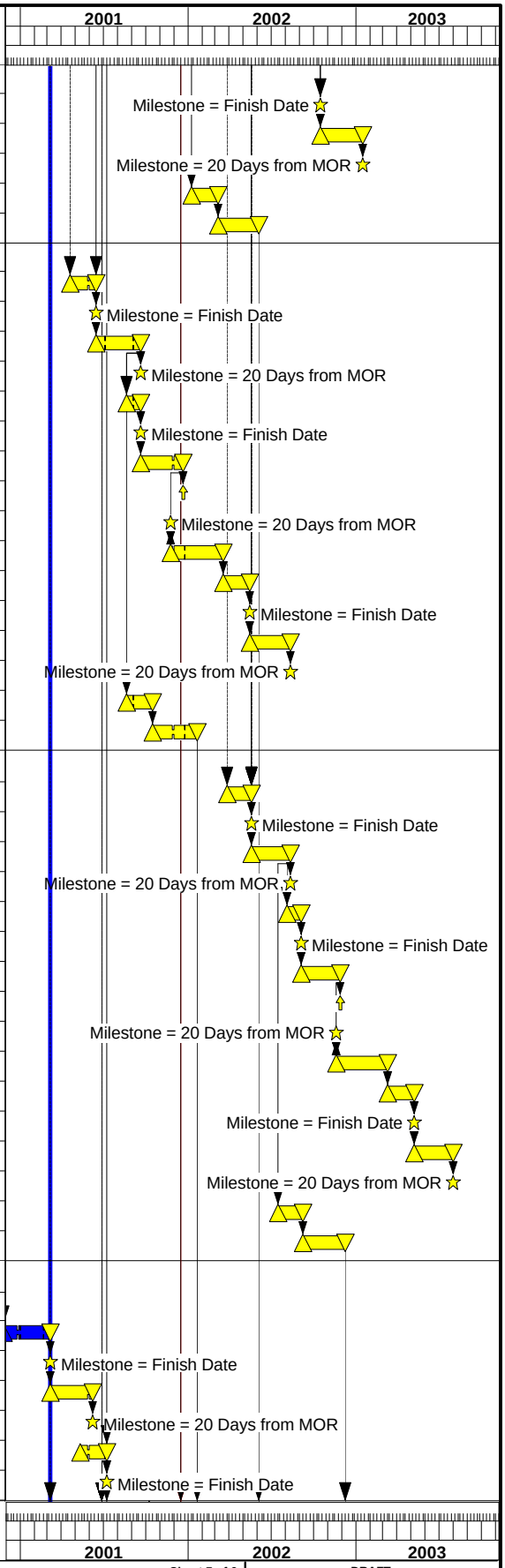
Soil Operable Unit					
22220	Draft FS	YES	0		17OCT02
22230	Revise Draft FS		65	18OCT02	16JAN03
22240	Final FS	YES	0		16JAN03
22250	(Draft FS if no PSI)		40	09JAN02	05MAR02
22260	(Final FS if no PSI)		65	06MAR02	04JUN02
Groundwater Operable Unit					
22300	FS Screening Report Preparation		40	19APR01	14JUN01
22310	Draft FS Screening Report	YES	0		14JUN01
22320	Revise Draft FS Screening Report		65	15JUN01	17SEP01
22330	Final FS Screening Report	YES	0		17SEP01
22340	Post-Screening Invest. Workplan Prep.		22	20AUG01	19SEP01
22350	Draft Post-Screening Invest. Workplan	YES	0		19SEP01
22360	Revise Draft PSI Workplan		65	20SEP01	21DEC01
22370	Final Post-Screening Workplan		0		21DEC01
22380	Start Post-Screening Investigation	YES	0	22NOV01	
22390	Post-Screening Investigation		80	22NOV01	19MAR02
22400	FS Preparation		40	20MAR02	14MAY02
22410	Draft FS	YES	0		14MAY02
22420	Revise Draft FS		65	15MAY02	13AUG02
22430	Final FS	YES	0		13AUG02
22440	(Draft FS if no PSI)		40	20AUG01	15OCT01
22450	(Final FS if no PSI)		65	16OCT01	18JAN02
SE Corner of Ranges					
23110	FS Screening Report Preparation		40	26MAR02	20MAY02
23120	Draft FS Screening Report	YES	0		20MAY02
23130	Revise Draft FS Screening Report		60	21MAY02	12AUG02
23140	Final FS Screening Report	YES	0		12AUG02
23150	Post-Screening Invest. Workplan Prep.		22	06AUG02	04SEP02
23160	Draft Post-Screening Invest. Workplan	YES	0		04SEP02
23170	Revise Draft PSI Workplan		60	05SEP02	27NOV02
23180	Final Post-Screening Workplan		0		27NOV02
23190	Start Post-Screening Investigation	YES	0	21NOV02	
23200	Post-Screening Investigation		80	21NOV02	12MAR03
23210	FS Preparation		40	13MAR03	07MAY03
23220	Draft FS	YES	0		07MAY03
23230	Revise Draft FS		60	08MAY03	30JUL03
23240	Final FS	YES	0		30JUL03
23250	(Draft FS if no PSI)		40	16JUL02	09SEP02
23260	(Final FS if no PSI)		65	10SEP02	09DEC02
UXO					
HUTA1 Operable Unit					
24110	FS Screening Report Preparation		3	20NOV00A	08MAR01
24120	Draft FS Screening Report	YES	0		08MAR01
24130	Revise Draft FS Screening Report		65	09MAR01	08JUN01
24140	Final FS Screening Report	YES	0		08JUN01
24150	FS Preparation		40	10MAY01	06JUL01
24160	Draft FS	YES	0		06JUL01



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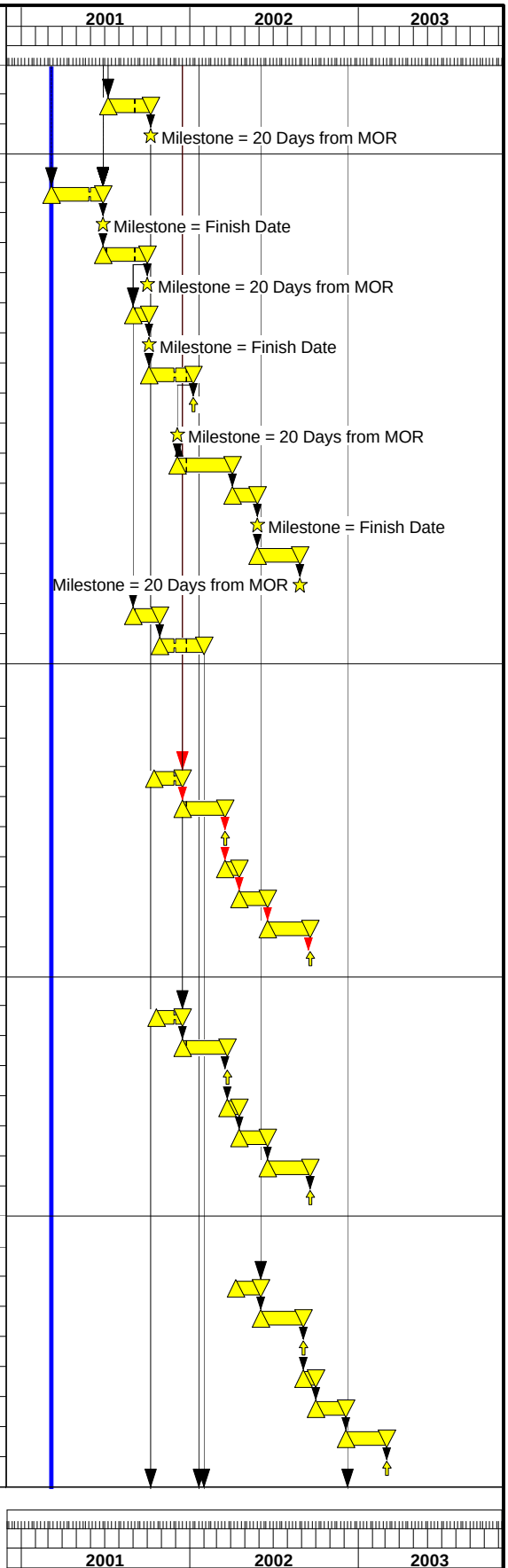
Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
HUTA1 Operable Unit					
24170	Revise Draft FS		65	09JUL01	08OCT01
24180	Final FS	YES	0		08OCT01
Other Operable Units					
24210	FS Screening Report Preparation		80	07MAR01	27JUN01
24220	Draft FS Screening Report	YES	0		27JUN01
24230	Revise Draft FS Screening Report		65	28JUN01	28SEP01
24240	Final FS Screening Report	YES	0		28SEP01
24250	Post-Screening Invest. Workplan Prep.		22	31AUG01	02OCT01
24260	Draft Post-Screening Invest. Workplan	YES	0		02OCT01
24270	Revise Draft PSI Workplan		65	03OCT01	07JAN02
24280	Final Post-Screening Workplan		0		07JAN02
24290	Start Post-Screening Investigation	YES	0	07DEC01	
24300	Post-Screening Investigation		80	07DEC01	01APR02
24310	FS Preparation		40	02APR02	27MAY02
24320	Draft FS	YES	0		27MAY02
24330	Revise Draft FS		65	28MAY02	26AUG02
24340	Final FS	YES	0		26AUG02
24350	(Draft FS if no PSI)		40	31AUG01	26OCT01
24360	(Final FS if no PSI)		65	29OCT01	31JAN02
Remedy Selection (AO3)					
Demo Area 1					
Soil Operable Unit (if no PSI)					
31110	Prepare Draft Remedy Selection Plan		40	18OCT01	14DEC01
31120	Revise Draft Remedy Selection Plan		65	17DEC01	19MAR02
31130	Remedy Selection Plan		0		19MAR02
31140	Public Comment Period		21	20MAR02	17APR02
31150	Draft Decision Doc/ Response		44	18APR02	18JUN02
31160	Revise Draft DD/RS		65	19JUN02	17SEP02
31170	Final Decision Doc/ Response		0		17SEP02
Groundwater Operable Unit					
31510	Prepare Draft Remedy Selection Plan		40	19OCT01	17DEC01
31520	Revise Draft Remedy Selection Plan		65	18DEC01	20MAR02
31530	Remedy Selection Plan		0		20MAR02
31540	Public Comment Period		21	21MAR02	18APR02
31550	Draft Decision Doc/ Response		44	19APR02	19JUN02
31560	Revise Draft DD/RS		65	20JUN02	18SEP02
31570	Final Decision Doc/ Response		0		18SEP02
Central Impact Area					
Soil Operable Unit (if no PSI)					
32110	Prepare Draft Remedy Selection Plan		40	10APR02	04JUN02
32120	Revise Draft Remedy Selection Plan		65	05JUN02	03SEP02
32130	Remedy Selection Plan		0		03SEP02
32140	Public Comment Period		21	04SEP02	02OCT02
32150	Draft Decision Doc/ Response		44	03OCT02	03DEC02
32160	Revise Draft DD/RS		65	04DEC02	04MAR03
32170	Final Decision Doc/ Response		0		04MAR03



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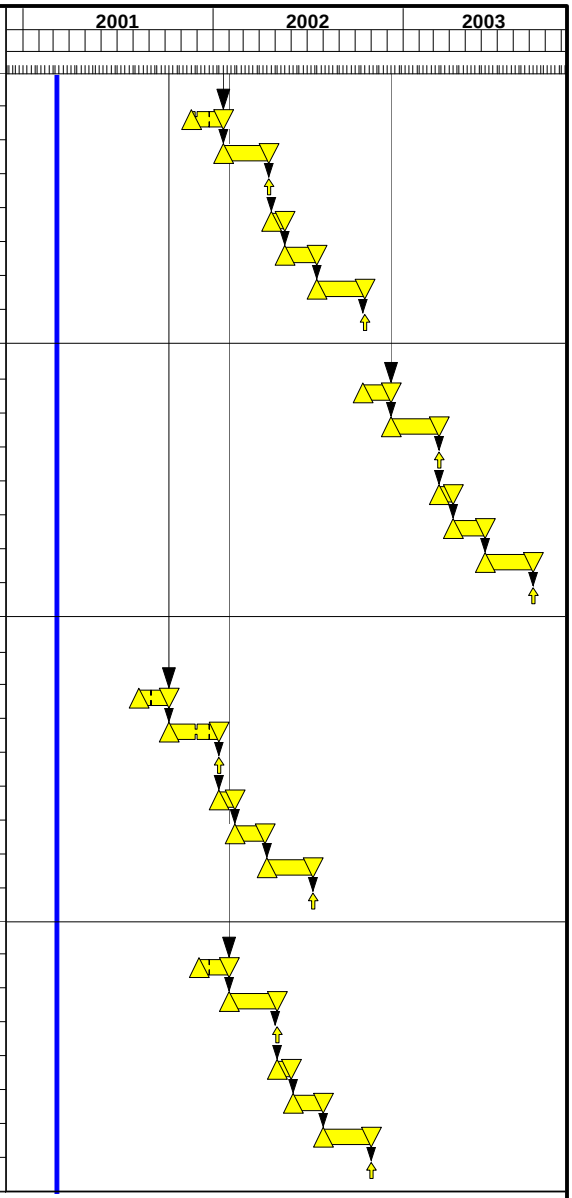
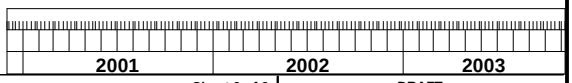
Groundwater Operable Unit (if no PSI)					
32510	Prepare Draft Remedy Selection Plan		40	20NOV01	18JAN02
32520	Revise Draft Remedy Selection Plan		65	21JAN02	19APR02
32530	Remedy Selection Plan		0		19APR02
32540	Public Comment Period		21	22APR02	20MAY02
32550	Draft Decision Doc/ Response		44	21MAY02	19JUL02
32560	Revise Draft DD/RS		65	22JUL02	18OCT02
32570	Final Decision Doc/ Response		0		18OCT02
SE Corner of Ranges (if no PSI)					
33110	Prepare Draft Remedy Selection Plan		40	15OCT02	09DEC02
33120	Revise Draft Remedy Selection Plan		65	10DEC02	10MAR03
33130	Remedy Selection Plan		0		10MAR03
33140	Public Comment Period		21	11MAR03	08APR03
33150	Draft Decision Doc/ Response		44	09APR03	09JUN03
33160	Revise Draft DD/RS		65	10JUN03	08SEP03
33170	Final Decision Doc/ Response		0		08SEP03
UXO					
HUTA1 Operable Unit (if no PSI)					
34110	Prepare Draft Remedy Selection Plan		40	13AUG01	08OCT01
34120	Revise Draft Remedy Selection Plan		65	09OCT01	11JAN02
34130	Remedy Selection Plan		0		11JAN02
34140	Public Comment Period		21	14JAN02	11FEB02
34150	Draft Decision Doc/ Response		44	12FEB02	12APR02
34160	Revise Draft DD/RS		65	15APR02	12JUL02
34170	Final Decision Doc/ Response		0		12JUL02
Other Operable Units (if no PSI)					
34510	Prepare Draft Remedy Selection Plan		40	05DEC01	31JAN02
34520	Revise Draft Remedy Selection Plan		65	01FEB02	02MAY02
34530	Remedy Selection Plan		0		02MAY02
34540	Public Comment Period		21	03MAY02	31MAY02
34550	Draft Decision Doc/ Response		44	03JUN02	01AUG02
34560	Revise Draft DD/RS		65	02AUG02	31OCT02
34570	Final Decision Doc/ Response		0		31OCT02





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